DEC
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C-Bus *technical selection guide*

CLIPSAL®

by Schneider Electric

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Introduction

Clipsal, a brand of Schneider Electric, is dedicated to supplying end-to-end building management and integrated control with the products, solutions and programs to help meet customers expectations. Utilising the Schneider Electric product basket, complete end-to-end solutions are possible with products catering for any type or size of installation. With solutions ranging from power and lighting control, dimming, energy management, for home automation and commercial applications.

The Clipsal C-Bus® system is a microprocessor based wiring system to control lighting and other electrical services.

Whether on/off control of a lighting circuit or analogue type control such as dimming electronic fluorescent ballasts, C-Bus can be used to control and automate virtually any type of electrical load.

To ensure fast and reliable operation, each device has its own inbuilt microprocessor, which can be individually programmed via 'point and click' PC based software, or via 'learn mode' which doesn't require a PC.

C-Bus information is held within individual units rather than one central point. This ensures optimum communication speed and reliability.

Whilst a computer is not necessary for normal C-Bus operation, PC based control and management software is available and provides additional flexibility to clients requiring this type of control. Clipsal C-Bus is suitable for a wide range of applications, for example:

Commercial Lighting Control

- Fluorescent lighting control for energy cost saving in high rise buildings
- High-bay control in warehouses for energy cost saving
- Mood lighting in restaurants and retail outlets
- Flexible and integrated control of lighting and audio visual equipment in board rooms
- Architectural lighting control for hotel foyers, ballrooms, art galleries and museums

Standalone Room Lighting Control

- Integrated automation via touch screen user interfaces for conference rooms and home theatres
- Multiple scene / mood setting

Residential Automation

- Home entertainment - Integrated audio visual, lighting control, and other electrical services
- Security - Integrated security, lighting and other electrical services
- Comfort - Dimming and scene setting
- Convenience - Multiple point control, central point control from touch screens, automated time based control, automated 'goodbye' and 'welcome home' moods

Key Input Units

Dynamic Labelling Technology, Saturn Series

Square

The square Saturn series dynamic labelling technology switches are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network. The dynamic labelling technology allows the function of the key to be programmed and displayed onto an LCD display next to the switch button.

The display found on the DLT switch, supports multi language text and user defined bitmaps, such as sliders and bar graphs. The LCD display incorporates back lighting that can be enabled for night operation. In addition, the DLT switch features a page scroll button that permits the user to navigate between pages, to access all control options.

Key input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

The Saturn DLT switches feature a glass fascia and are available in a range of colour backgrounds, including white, black, mid brown and cream.

Key input units communicate with all other units and obtain power via a single twisted pair of connections to the C-Bus unit. In the event of C-Bus power failure, non-volatile memory retains all programmed information relating to the unit's operating status.

E5084DLGF

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36V DC @ 22mA**
Maximum Number of Units on a Single C-Bus Network	**50**
Button Indicator	**Programmable, Blue**
Timer Range	**1 sec to 18 hrs**
Timer Resolution	**1 sec**
Dimmer Control	**255 possible levels**
Number of Scenes	**8**
Standard Colours	**White and Black**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**10 - 95% RH**

PRODUCT FEATURES

- Available with 4 buttons
- Features blue light indicator with night light function
- Supports text labels and user defined bitmaps
- Ignore first press option
- Fallback to page 1 and 2 option
- Programmable using learn mode or via the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- CE (European Community) compliant

CATALOGUE NUMBER	DESCRIPTION
Saturn Dynamic Labelling Technology	
E5084DL	4 Gang Saturn DLT
Cover Selection: (GF) White**, *(380)** Cream, **(680)** Black, ***(780)** Mid-Brown	
Saturn DLT Fascia	
***5084DF**	4 Gang Saturn DLT fascia
Cover Selection: *(GF) White**, *(38)** Cream, ***(68)** Black, ***(78)** Mid-Brown	

***Ask for availability**

Dynamic Labelling Technology, Saturn Series

Rectangular

The rectangular Saturn series dynamic labelling technology switches are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network. The dynamic labelling technology allows the function of the key to be programmed and displayed onto an LCD display next to the switch button.

The display found on the DLT switch, supports multi language text and user defined bitmaps, such as sliders and bar graphs. The LCD display incorporates back lighting that can be enabled for night operation. In addition, the DLT switch features a page scroll button that permits the user to navigate between pages, to access all control options.

Key input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

The Saturn DLT switches feature a glass fascia and are available in a range of colour backgrounds, including white, black, mid brown and cream.

Key input units communicate with all other units and obtain power via a single twisted pair of connections to the C-Bus unit. In the event of C-Bus power failure, non-volatile memory retains all programmed information relating to the unit's operating status.

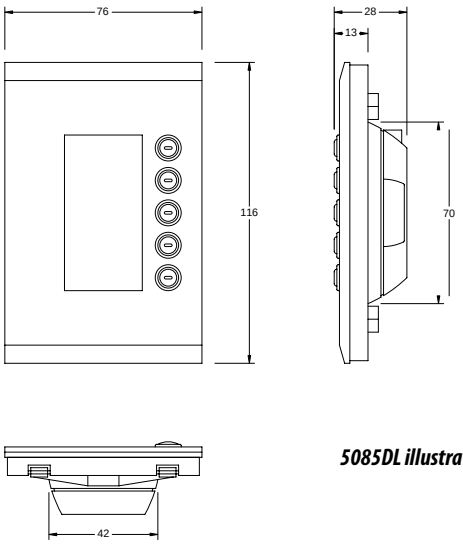
5085DL680

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36V DC @ 22mA**
Maximum Number of Units on a Single C-Bus Network	**50**
Button Indicator	**Programmable, Blue**
Timer Range	**1 sec to 18 hrs**
Timer Resolution	**1 sec**
Dimmer Control	**255 possible levels**
Number of Scenes	**8**
Standard Colours	**White and Black**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**10 - 95% RH**

PRODUCT FEATURES

- 5 buttons
- Features blue light indicator with night light function
- Supports text labels and user defined bitmaps
- Ignore first press option
- Fallback to page 1 option
- Programmable using learn mode or via the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- CE (European Community) compliant



5085DL illustrated

CATALOGUE NUMBER	DESCRIPTION
Saturn Dynamic Labelling Technology	
5085DL	5 Gang Saturn DLT
Cover Selection: (GF) White**, *(380)** Cream, **(680)** Black, ***(780)** Mid-Brown	
Saturn DLT Fascia	
***5085DF**	5 Gang Saturn DLT fascia
Cover Selection: *(GF) White**, *(30)** Cream, ***(60)** Black, ***(70)** Mid-Brown	

***Ask for availability**

Saturn Input Switches

Square

The square Saturn series key input units are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network.

Suitable for exclusive interiors, the Saturn series features an impact resistant glass fascia with white, mid brown, black or cream backing. The round silver finish push buttons feature a dual coloured light indicator, providing a visual indication of the switch state.

Key input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

Key input units communicate with all other units and obtain power via a single twisted pair connection to the C-Bus. In the event of C-Bus power failure, non-volatile memory retains all programmed information relating to the unit's operating status.

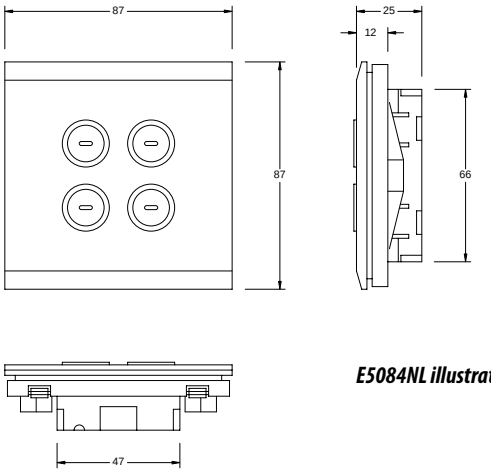
E5084NLGF

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36VDC @ 22mA**
Maximum Number of Units on a Single C-Bus Network	**50**
Status Indicator	**Programmable, Dual, Orange and Blue**
Timer Range	**1 sec to 18 hrs**
Timer Resolution	**1 sec**
Dimmer Control	**255 possible levels**
Mounting Centres	**84mm**
Standard Colours	**White and Black**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Available as 2, 4 or 6 key configuration
- Features bi-colour light indicator with night light
- Programmable using learn mode or via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Features, 60.3mm mounting centres
- Available in glass finish with white, black, cream or mid-brown background
- CE (European Community) compliant



E5084NL illustrated

CATALOGUE NUMBER	DESCRIPTION
Saturn Input Units	
E5082NL	2 Gang Saturn input square
E5084NL	4 Gang Saturn input square
E5086NL	6 Gang Saturn input square
Cover Selection: (GF) White, ***(380)** Cream, **(680)** Black, ***(780)** Mid-Brown	

***Ask for availability**

Saturn Input Switches

Rectangular

The rectangular Saturn series key input units are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus Network.

Suitable for exclusive interiors, the Saturn series features an impact resistant glass fascia with white, mid brown, black or cream backing. The round silver finish push buttons feature a dual coloured light indicator, providing a visual indication of the switch state.

Key input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

Key input units communicate with all other units and obtain power via a single twisted pair connection to the C-Bus. In the event of C-Bus power failure, non-volatile memory retains all programmed information relating to the unit's operating status.

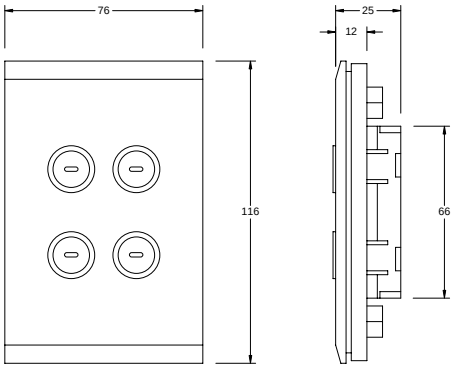
5084NLGF

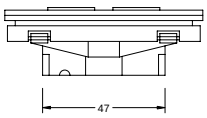
TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36VDC @ 22mA**
Maximum Number of Units on a Single C-Bus Network	**50**
Status Indicator	**Programmable, Dual, Orange and Blue**
Timer Range	**1 sec to 18 hrs**
Timer Resolution	**1 sec**
Dimmer Control	**255 possible levels**
Mounting Centres	**84mm**
Standard Colours	**White and Black**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Available as 2, 4 or 6 key configuration
- Features bi-colour light indicator with night light
- Programmable using learn mode or via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Features, 84mm mounting centres, compatible with Clipsal Mounting Boxes
- Available in glass finish with white, black, cream or mid-brown background
- CE (European Community) compliant





5084NL

CATALOGUE NUMBER	DESCRIPTION
Saturn Input Units	
5082NL	2 Gang Saturn input square
5084NL	4 Gang Saturn input square
5086NL	6 Gang Saturn input square
Cover Selection: (GF) White**, *(380)** Cream, **(680)** Black, ***(780)** Mid-Brown	

***Ask for availability**

Saturn Accessories
Saturn Fascia

E5086F30

E5086F60

E5086F70

5086F30

5086F60

5086F70

CATALOGUE NUMBER	DESCRIPTION
***E5082F**	2 Gang Saturn Fascia Square
***E5084F**	4 Gang Saturn Fascia Square
***E5086F**	6 Gang Saturn Fascia Square
Cover Selection: *White (GF), *Cream (30), *Black (60), *Mid-Brown (70)	
***5082F**	2 Gang Saturn Fascia Rectangular
***5084F**	4 Gang Saturn Fascia Rectangular
***5086F**	6 Gang Saturn Fascia Rectangular
Cover Selection: *White (GF), *Cream (30), *Black (60), *Mid-Brown (70)	

***Ask for availability**

Pre-labelled Button Caps

5080LC

CATALOGUE NUMBER	DESCRIPTION
5080LC	Pre-labelled Button Caps

Neo Dynamic Labelling Technology

Square

The square Neo series dynamic labelling technology switches are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network. The dynamic labelling technology allows the function of the key to be programmed and displayed onto a LCD display next to the switch button.

The display found on the DLT switch, supports multi language text and user defined bitmaps, such as sliders and bar graphs. The LCD display incorporates back lighting that can be enabled for night operation. In addition, the DLT switch features a page scroll button that permits the user to navigate between pages, to access all control options.

Key input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

Key input units communicate with all other units and obtain power via a single twisted pair of connections to the C-Bus. In the event of C-Bus power failure, non-volatile memory retains all programmed information relating to the unit's operating status.

E5054DLGB

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36V DC @ 22mA**
Maximum Number of Units on a Single C-Bus Network	**50**
Button Indicator	**Programmable, Blue**
Timer Range	**1 sec to 18 hrs**
Timer Resolution	**1 sec**
Dimmer Control	**255 possible levels**
Number of Scenes	**8**
Standard Colours	**Grey/Silver**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**10 - 95% RH**

PRODUCT FEATURES

- Available with 4 buttons
- Features blue light indicator with night light function
- Supports text labels and user defined bitmaps
- Ignore first press option
- Fallback to page 1 and 2 option
- Programmable using learn mode or via the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- CE (European Community) compliant

CATALOGUE NUMBER	DESCRIPTION
E5054DLGB	4 Gang Neo Square DLT Grey/Silver

Neo Dynamic Labelling Technology

Rectangular

The rectangular Neo series dynamic labelling technology switches are learn enabled, surface switches designed to control lighting and other electrical services connected to a C-Bus network. The dynamic labelling technology allows the function of the key to be programmed and displayed onto a LCD display next to the switch button.

The display found on the DLT switch, supports multi language text and user defined bitmaps, such as sliders and bar graphs. The LCD display incorporates back lighting that can be enabled for night operation. In addition, the DLT switch features a page scroll button that permits the user to navigate between pages, to access all control options.

Key input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

Key input units communicate with all other units and obtain power via a single twisted pair of connections to the C-Bus. In the event of C-Bus power failure, non-volatile memory retains all programmed information relating to the unit's operating status.

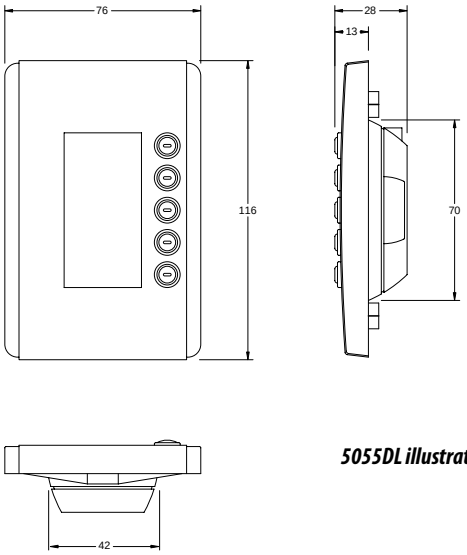
5055DLGB

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36V DC @ 22mA**
Maximum Number of Units on a Single C-Bus Network	**50**
Button Indicator	**Programmable, Blue**
Timer Range	**1 sec to 18 hrs**
Timer Resolution	**1 sec**
Dimmer Control	**255 possible levels**
Number of Scenes	**8**
Standard Colours	**Grey/Silver**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**10 - 95% RH**

PRODUCT FEATURES

- 5 buttons
- Features blue light indicator with night light function
- Supports text labels and user defined bitmaps
- Ignore first press option
- Fallback to page 1 option
- Programmable using learn mode or via the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- CE (European Community) compliant



5055DL illustrated

CATALOGUE NUMBER	DESCRIPTION
5055DLGB	5 Gang Neo input rectangular DLT Grey/Silver

Neo Input Switches

Square

The Neo key input units are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network.

Suitable for exclusive interiors, the Neo features large, flat, tactile rocker action switches that have been designed to blend in with the fascia. The Neo switches feature a bi-colour light indicator that provides a visual indication of switch status.

The Neo switches feature a night light function, and incorporate an infrared receiver in the body of the unit, so the switch may be used with a remote control.

Key input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

Key input units communicate with all other units and obtain power via a single twisted pair connection to the C-Bus. In the event of C-Bus power failure, non-volatile memory retains all programmed information relating to the unit's operating status.

The Neo switches are available in a wide range of finishes.

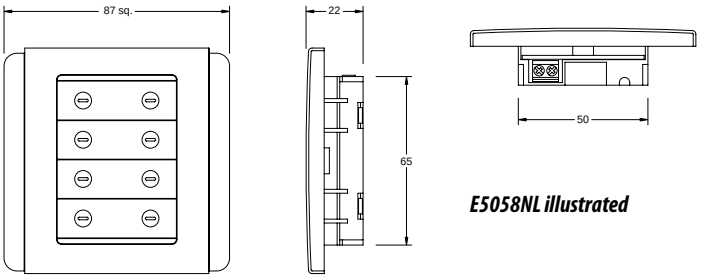
E5058NLGB

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36VDC @ 22mA**
Maximum Number of Units on a Single C-Bus Network	**50**
Status Indicator	**Programmable, Dual, Orange and Blue**
Timer Range	**1 sec to 18 hrs**
Timer Resolution	**1 sec**
Dimmer Control	**255 possible levels**
Mounting Centres	**60.3mm**
Standard Colours	**Grey/Silver**
Standard Colours (Inner Surround)	**Grey/Silver**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Available as 2, 4 or 8 key configuration
- Features bi-colour light indicator with night light function
- Built in infrared receiver
- Programmable using learn mode or via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Features 60.3mm mounting centres
- CE (European Community) compliant



E5058NL illustrated

CATALOGUE NUMBER	DESCRIPTION
E5052NLGB	2 Gang Neo Input Square Grey/Silver
E5054NLGB	4 Gang Neo Input Square Grey/Silver
E5058NLGB	8 Gang Neo Input Square Grey/Silver

Neo Input Switches

Rectangular

The rectangular Neo key input units are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network.

Suitable for exclusive interiors, the Neo features large, flat, tactile rocker action switches that have been designed to blend in with the fascia. The Neo switches feature a bi-colour light indicator that provides a visual indication of switch status.

The Neo switches feature a night light function, and incorporate an infrared receiver in the body of the unit, so the switch may be used with a remote control.

Key input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

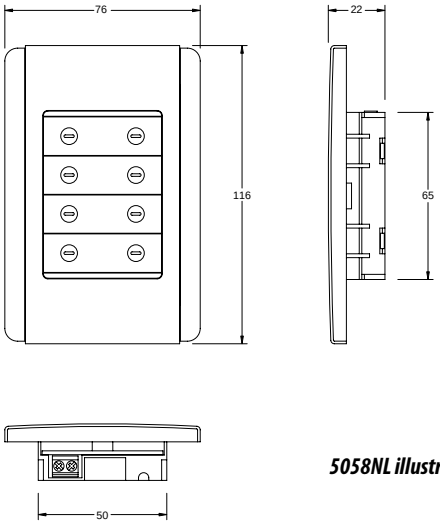
Key input units communicate with all other units and obtain power via a single twisted pair connection to the C-Bus. In the event of C-Bus power failure, non-volatile memory retains all programmed information relating to the unit's operating status.

The Neo switches are available in a wide range of colours and finishes.

5058NLGB

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36VDC @ 22mA**
Maximum Number of Units on a Single C-Bus Network	**50**
Status Indicator	**Programmable, Dual, Orange and Blue**
Timer Range	**1 sec to 18 hrs**
Timer Resolution	**1 sec**
Dimmer Control	**255 possible levels**
Mounting Centres	**60.3mm**
Standard Colours	**Grey/Silver**
Standard Colours (Inner Surround)	**Grey/Silver**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**



5058NL illustrated

PRODUCT FEATURES

- Available as 2, 4 or 8 key configuration
- Features bi-colour light indicator with night light function
- Built in infrared receiver
- Programmable using learn mode or via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Features 84mm mounting centres, compatible with Clipsal Mounting Boxes
- CE (European Community) compliant

CATALOGUE NUMBER	DESCRIPTION
5052NLGB	2 Gang Neo Input Rectangular Grey/Silver
5054NLGB	4 Gang Neo Input Rectangular Grey/Silver
5058NLGB	8 Gang Neo Input Rectangular Grey/Silver

Neo Accessories

E50500S

50500S

E50500IS

5050IS

5052NRPWE

5052NRIBK

5052NRIGB

CATALOGUE NUMBER	DESCRIPTION
***E5050IS †**	Square inner surround - pack of 5
***5050IS †**	Rectangular inner surround - pack of 5
† Available in *Grey/Silver (GB), *White (WE), *Cream (CR), *Desert Sand (DS), *Soft Grey (SG), *Black (BK), *Brown (BR)	
***E5050ISBA**	Square inner surround - brushed aluminium - pack of 5
***5050ISBA**	Rectangular inner surround - brushed aluminium - pack of 5
***E5050ISGD**	Square inner surround - gold - pack of 5
***5050ISGD**	Rectangular inner surround - gold - pack of 5
***E50500S †**	Square outer surround - pack of 5
***50500S †**	Rectangular outer surround - pack of 5
† Available in *Grey/Silver (GB), *White (WE), *Cream (CR), *Desert Sand (DS), *Soft Grey (SG), *Black (BK), *Brown (BR)	
***5052NRP †**	Rocker Switch Covers and Spacers for 2 Gang input unit
***5054NRP †**	Rocker Switch Covers and Spacers for 4 Gang input unit
***5058NRP †**	Rocker Switch Covers and Spacers for 8 Gang input unit
† Available in *Grey/Silver (GB), *White (WE), *Cream (CR), *Desert Sand (DS), *Soft Grey (SG), *Black (BK), *Brown (BR)	
***5052NRI †**	Rocker Switch with ID Window - pack of 10
† Available in *Grey/Silver (GB), *White (WE), *Cream (CR), *Black (BK)	

***Ask for availability**

Moulding Frames

5850FBK

5850FBR

5850FCM

5850FWE

CATALOGUE NUMBER	DESCRIPTION
Moulding Frames	
***5850FBK**	Moulding frame rectangular - Black 5pk
***5850FBR**	Moulding frame rectangular - Brown 5pk
***5850FCM**	Moulding frame rectangular - Cream 5pk
***5850FWE**	Moulding frame rectangular - White 5pk
Wall boxes	
1571	Wall box J type metal
1571P	Wall box J type plastic
***E5050MF**	Mounting flange

***Ask for availability**

E-Series Range Input Switches

The E-Series key input units are learn enabled surface switches designed to control lighting and other electrical services connected to a C-Bus network.

Key input units are fully programmable and may be configured as toggle, dimmer, type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

Key input units communicate with all other units and obtain power via a single twisted pair connection to the C-Bus. In the event of C-Bus power failure, non-volatile memory retains all programmed information relating to the unit's operating status.

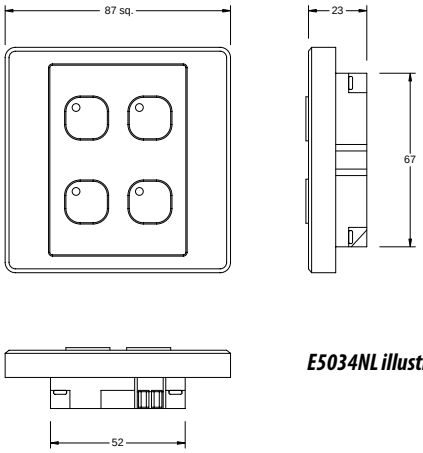
E5034NLWE

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36VDC @ 18mA**
Maximum Number of Units on a Single C-Bus Network	**100**
Status Indicator	**Programmable, Orange LED**
Timer Range	**1 sec to 18 hrs**
Timer Resolution	**1 sec**
Dimmer Control	**255 possible levels**
Mounting Centres	**60.3mm**
Standard Colours	**White**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Available as 1, 2 or 4 key configuration
- Programmable using learn mode or via the C-Bus Toolkit Software
- Features 60.3mm mounting centres
- CE (European Community) compliant



E5034NL illustrated

CATALOGUE NUMBER	DESCRIPTION
***E5031NLWE**	1 Gang key vertical
***E5032NLWE**	2 Gang key horizontal
***E5032VNLWE**	2 Gang key vertical
***E5034NLWE**	4 Gang key vertical

***Ask for availability**

Reflection Range Input Switches

The Reflections series key input units are learn enabled, ultra flat, surface switches designed to control lighting and other electrical services connected to a C-Bus network.

Suitable for exclusive interiors, the Reflection switches feature a screwless, high grade, stainless steel metal cover. The screwless design means that the aesthetics and architectural finish of the product provides a clean, stylish appearance.

The Reflection series also feature square, backlit, metal finish switches to maintain the aesthetics of the switch plate.

Key input units are fully programmable and may be configured as toggle, dimmer, timer or scene control type functions. With C-Bus switches it is possible to realise multi-way, multi-function switching or dimming control.

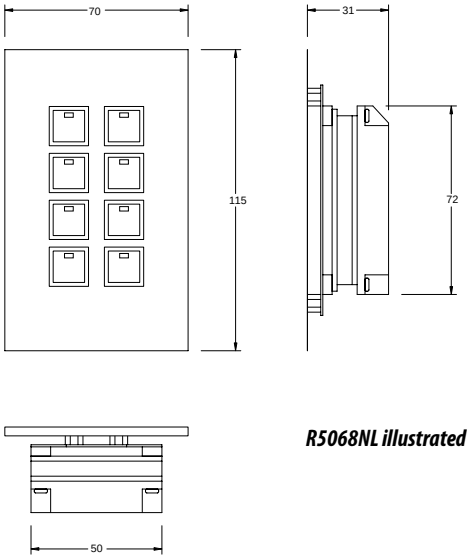
Key input units communicate with all other units and obtain power via a single twisted pair connection to the C-Bus. In the event of C-Bus power failure, non-volatile memory retains all programmed information relating to the unit's operating status.

R5068NL

R5050WB

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36VDC @ 20mA**
Maximum Number of Units on a Single C-Bus Network	**50**
Status Indicator	**Programmable, Blue LED**
Timer Range	**1 sec to 18 hrs**
Timer Resolution	**1 sec**
Dimmer Control	**255 possible levels**
Mounting Centres	**84mm**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**



R5068NL illustrated

PRODUCT FEATURES

- Available as 1, 2, 3, 4, 6 and 8 key configuration
- Features blue light indicator with night light
- Programmable using learn mode or via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Features 84mm mounting centres (requires special wallbox for mounting)
- CE (European Community) compliant

CATALOGUE NUMBER	DESCRIPTION
***R5061NL**	1 Gang input reflection range
***R5062VNL**	2 Gang input reflection range
***R5063NL**	3 Gang input reflection range
***R5064VNL**	4 Gang input reflection range
***R5066NL**	6 Gang input reflection range
***R5068NL**	8 Gang input reflection range
R5050WB	Back box for reflection range

***Ask for availability**

Input Units

Security On
Security Off
Downlights On
Downlights Off
Party Scene 1
Party Scene 2

Black & White Touch Screen

The Black and White Touch Screen builds on the success of the Monochrome Touch Screen, with many enhancements made in this innovative product developed by Clipsal engineers.

Designed to be quicker, easier and more flexible to install and commission, the new unit has significant enhancements to its predecessor. Compatible with Version 4 of Clipsal's Windows® based drag and drop programming software (PICED), commissioning is now possible through a standard USB port located underneath the fascia that can be utilised as a PC interface. A separate RS-232 port is included within the logic versions to allow integration to third party devices.

The touch screen requires a custom wall box, which is supplied separately but does not require an external power supply.

5080CT26

BS5000CT2

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36VDC @ 65mA**
Control Functions	**Load switching & dimming** **Scene control** **Logic (Logic engine versions only)** **Scheduling**
Screen Type	**Black & White, Backlit**
Resolution	**Screen size, QVGA 320 x 240 pixels**
Screen Size viewing area	**100mm x 75mm (119mm Diagonal)**
Real Time Clock	**365 day**
Backlighting	**Yes, programmable**
Network Burden	**Software selectable**
System Clock	**Software selectable**
C-Bus Connection	**Screw terminals**
Programming Port	**USB Type B**
Surround Colours	**Saturn, Neo, Stainless Steel, Plastic**
Operating Temperature Range	**10˚C to 45˚C**
Operating Humidity Range	**10 – 95% RH**
Maximum number of controller loads	**255 Group Addresses on each of the 10 C-Bus Applications**
Maximum number of C-Touch Units on a single C-Bus Network	**10**
Third Party interface	**RS-232 port (supported by Logic Engine versions only)**

PRODUCT FEATURES

- Larger screen than monochrome model with enhanced contrast and superior backlighting
- Compatible with Version 4 of Clipsal's Windows® based drag and drop programming software (PICED)
- Available with or without C-Bus Logic Engine features
- A separate RS-232 port is included on the rear of the unit for third party device integration (supported by Logic Engine versions only)
- Programmed via a standard USB port on the unit
- USB programming port accessible from the front of the unit
- Does not require additional power supply
- CE (European Community) compliant

BLACK AND WHITE TOUCH SCREEN

CATALOGUE NUMBER	DESCRIPTION
Saturn Touch Screen w/o Logic Engine	
5080CT2GF	Black & White Touch Screen White
***5080CT23**	Black & White Touch Screen Cream
***5080CT27**	Black & White Touch Screen Mid-Brown
5080CT26	Black & White Touch Screen Black
Neo Touch Screen w/o Logic Engine	
5050CT2GB	Black & White Touch Screen Neo Grey/Silver
***5050CT2WE**	Black & White Touch Screen Neo White
***5050CT228**	Black & White Touch Screen Neo White Brushed Aluminium
***5050CT2BK**	Black & White Touch Screen Neo Black
Flat Plate Series w/o Logic Engine	
***BS5000CT2**	Black & White Touch Screen Stainless Steel
Plastic Series w/o Logic Engine	
SC5000CT2WE	Black & White Touch Screen Plastic White
***SC5000CT2CM**	Black & White Touch Screen Plastic Cream
***SC5000CT2BK**	Black & White Touch Screen Plastic Black

*** Ask for availability**

Black & White Touch Screen

5080CTL2GF

5080CTL27

5080CTL23

CATALOGUE NUMBER	DESCRIPTION
Saturn Touch Screen with Logic Engine	
5080CTL2GF	Black & White Touch Screen Logic Saturn White
***5080CTL23**	Black & White Touch Screen Logic Saturn Cream
***5080CTL27**	Black & White Touch Screen Logic Saturn Mid-brown
5080CTL26	Black & White Touch Screen Logic Saturn Black
Neo Touch Screen with Logic Engine	
5050CTL2GB	Black & White Touch Screen Logic Neo Grey/Silver
***5050CTL2WE**	Black & White Touch Screen Logic Neo White
***5050CTL228**	Black & White Touch Screen Logic Neo White Brushed Aluminium
***5050CTL2BK**	Black & White Touch Screen Logic Neo Black
Flat Plate Touch Screen with Logic Engine	
***BS5000CTL2**	Black & White Touch Screen Logic S/Steel
Plastic Series Touch Screen with Logic Engine	
SC5000CTL2WE	Black & White Touch Screen Logic Plastic White
***SC5000CTL2CM**	Black & White Touch Screen Logic Plastic Cream
***SC5000CTL2BK**	Black & White Touch Screen Logic Plastic Black

ACCESSORIES FOR BLACK & WHITE TOUCH SCREEN

CATALOGUE NUMBER	DESCRIPTION
Wall box	
5000CT2WB	Black & White Touch Screen Wall Box
Third Party Interface Lead	
5000CT2RS232	Black & White Touch Screen RS232 Lead
Fascia	
***5080CT2F**	Saturn glass fascia
Cover Selection: (GF) White, **(3)** Cream, **(6)** Black, **(7)** Mid-Brown	
***5050CT2F**	Neo fascia
Cover Selection: (28) White & Brushed Aluminium, **(BK)** Black, **(GB)** Grey/Silver, **(WE)** White	
Flat Plate	
***BS5000CT2F**	Black & White Touch Screen Metal Fascia Stainless Steel
Plastic Series	
***SC5000CT2FWE**	Black & White Touch Screen Plastic Fascia White
***SC5000CT2FCM**	Black & White Touch Screen Plastic Fascia Cream
***SC5000CT2FBK**	Black & White Touch Screen Plastic Fascia Black

*** Ask for availability**

Colour Touch Screens

The colour touch screen provides a simple, elegant and functional interface to a C-Bus management and control system. The touch screen provides a focal point to control and monitor a building's electrical systems, such as lighting, irrigation and entertainment services.

The touch screen is a wall mounted, touch sensitive, high resolution LCD screen that supports user defined graphics such as sliders, bitmaps and images and text characters, including English, Chinese, Arabic and other languages. The menus are fully customised at the time of installation, and may be changed at any time thereafter.

The touch screen incorporates an astronomical, real time clock for event scheduling and calendar functions, based on time of day, week, month or year. The colour touch screen features a logic engine module, that facilitates the development of logic based routines and scenarios, providing additional functionality of the installed system.

In addition, the colour touch screen is supplied with powerful configuration software that allows the installer to develop custom pages and menus to suit any installation of any size.

Available in either Neo or Saturn style, to complement the existing C-Bus wall switches. In addition, the touch screen features backlighting, that is controlled from a light level sensor located on the unit. The touch screen requires a custom wall box and power supply, which are supplied separately.

BS5000CTC2

5050CTC2

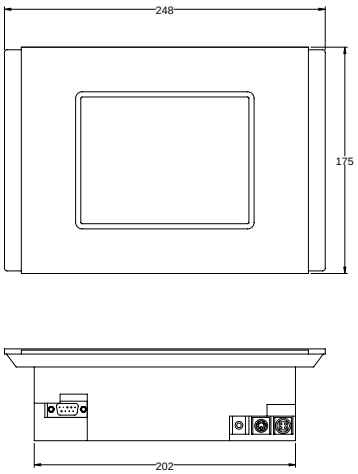
TECHNICAL INFORMATION

C-Bus Supply Voltage	**15 - 36VDC @ 22mA**
External Power Supply	**5VDC @ 10A (supplied)**
Control Functions	**Switching, dimming, scene control, event scheduling or logic module**
Screen Type	**LCD active matrix, backlit**
Touch Overlay Type	**Resistive membrane**
Resolution	**VGA, 640 x 480 pixels**
Screen Size	**16.25cm (diagonal)**
Screen Viewing Area	**130mm(W) x 97mm(H)**
Horizontal Viewing Angles	**+/- 70˚**
Vertical Viewing Angles	**40˚ up and 70˚ down**
Luminance	**300 cd/m²**
Backlight	**Cold cathode with light sensor**
Memory	**256MB compact flash**
Real Time Clock	**365 day**
Network Burden	**Software selectable**
System Clock	**Software selectable**
C-Bus Connection	**2 x RJ45 sockets**
Ethernet Connection	**2 x RJ45 sockets, 10/100MHz**
Serial Connection	**DB9 plug**
Composite Video	**RCA socket**
Styles	**NEO (ABS), SATURN (Glass), Brass and Stainless Steel**
Dimensions	**248mm(W) x 175mm(H) x 60mm(D)**
Operating Temperature Range	**0˚C to 30˚C**
Operating Humidity Range	**10 - 95% RH, non-condensing**

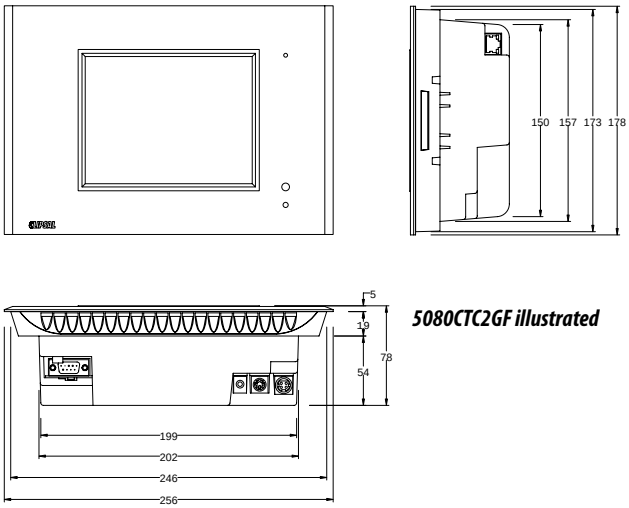
PRODUCT FEATURES

- Programmable using the C-Bus touch screen configuration software, via the serial or Ethernet connection
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Controls and monitors devices connected to the C-Bus, Ethernet or serial connections
- Functions include; scheduling, scene control, irrigation control, logic and scenario management
- Astronomical clock for scheduling and time management of events
- Graphical user based drag and drop configuration software, plus free form logic programming language
- Software interface design supports 101 levels of alpha blending
- Animated buttons with up to 256 animation frames supported
- Fully customized graphics, including bar graphs, sliders, percentage indicators, images, gauges and clocks, with any border and background style
- Supports embedded web pages
- Supports audio WAV files
- Password access control
- External power supply included
- CE (European Community) compliant

Colour Touch Screens



5050CTC2 illustrated



5080CTC2GF illustrated

CATALOGUE NUMBER	DESCRIPTION
Saturn Touch Screen	
5080CTC2GF	Colour touch screen with white saturn
Neo Touch Screen	
5050CTC2	Colour touch screen with white neo
Flat Plate Series	
BS5000CTC2	Colour touch screen with stainless steel

Accessories for Colour Touch Screen

CATALOGUE NUMBER	DESCRIPTION
Wallbox	
5000CTCWB	Colour Touch screen wall box
Power Supply	
5000CTCPS2	Colour Touch screen Power Supply

Thermostats

Single Zone

4 Zone

Enjoy the perfect temperature all year round with C-Bus Thermostats. C-Bus Thermostats are programmable and will control heating, ventilation, and air conditioning (HVAC) equipment.

The Thermostat range allows the user to manually set the mode of operation (heating, cooling and ventilation) as well as control fan speed and setback or economy modes. The easy to use operater interface includes an integral LCD to display the current temperature and mode of operation. Thermostat is compatible with equipment that supports SELV contact (RWG) control.

Wall mounted, Single Zone Thermostats include support for control of HVAC units via C-Bus or the internal HVAC relays. They also allow the user to manuallyu set the temperature and mode of operation (heating, cooling or ventilation). The easy to use operator interface includes fan speed control, set back or economy mode and an integral LCD to display the current temperature and mode of operation.

Programmable 4 Zone Thermostats include on-board 7-day HVAC time scheduling (user programmable) manual fan speed control, set back mode and an easy to use interface, comprising of an LCD, manual control buttons and a rotating dial with an integral press switch. From the unit, the user can manually adjust the temperature set point, the mode of operation (heating, cooling, ventilation) and time schedules.

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15 - 36VDC, 40mA** **Does not supply current to the C-Bus network**
C-Bus AC Input Impedance	**50kΩ @ 1kHz**
Relays (5070THPR model)	**Each relay rated at 2A @ 24V ac 3750V isolation between terminals and C-Bus**
C-Bus Connection	**One terminal block to accommodate 0.2 to 1.3mm² (24 to 16 AWG)**
Temperature Sensor Accuracy	**=/- 0.5°C (+/- 0.9°F)**
C-Bus System Clock	**Software selectable**
Network Burden	**Software selectable**
Operating Temperature	**-10 to 50°C (14 to 122°F)**
Operating Humidity Range	**10 to 95% R.H.**

PRODUCT FEATURES

- Support for control of HVAC units via C-Bus or internal relays ('RWG' control)
- Control of up to four switched Zones for ducted systems plus the common zone (4 zone unit only)
- 7 day programmable HVAC schedules (4 zone unit only)
- Support for remote temperature sensing by other C-Bus devices
- Optional manual fan speed (for HVAC plant that supports variable fan speeds)
- Setback capability for reducing energy consumption.
- CE (European Community) compliant

CATALOGUE NUMBER	DESCRIPTION
***5070THBRPGWE**	Single Zone White
***5070THBRBK**	Single Zone Black
***5070THBRSS**	Single Zone Stainless Steel
***5070THBPGWE**	Single Zone no relays White
***5070THBBK**	Single Zone no relays Black
***5070THBSS**	Single Zone no relays Stainless Steel

***Ask for availability**

CATALOGUE NUMBER	DESCRIPTION
***5070THPRPGWE**	4 Zone White
***5070THPRBK**	4 Zone Black
***5070THPRSS**	4 Zone Stainless Steel
***5070THPPGWE**	4 Zone no relays White
***5070THPBK**	4 Zone no relays Black
***5070THPSS**	4 Zone no relays Stainless Steel
E5031RDTSL	C-Bus remote digital temperature sensor

General Input Unit

The 4 channel general input units are DIN rail mounted units designed to measure digital, voltage, current loop and thermistor inputs and generate messages to the C-Bus network.

The unit is designed to broadcast the actual measured value to the C-Bus network, which in turn may be displayed on other C-Bus devices such as the touch screen, C-Gate or C-Lution. In addition, the unit may trigger a group address as a function of the input level, up to eight trigger points may be assigned to a single input channel.

The general input unit is designed to interface to third party products, such as light level sensors, temperature sensors, power, frequency, moisture, rate sensors and others. In this way, the general input may be used to extend the functionality of the C-Bus and its ability to integrate with other systems such as HVAC and power monitoring systems. The general input also generates 24VDC to power the external sensors.

The general input units are available as passive models only, hence do not source current to the C-Bus network.

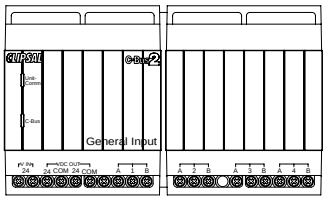
E5504GI

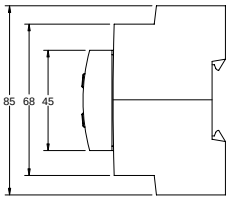
TECHNICAL INFORMATION

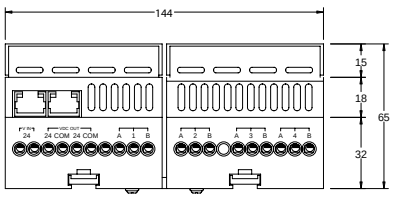
Catalogue Number	**E5504GI**
Supply Voltage	**24VAC +/- 10% @ 500mA, power pack not supplied with the unit**
Supply Frequency	**50/60Hz**
C-Bus Supply Voltage	**15-36VDC @ 18mA**
Auxiliary Output	**24VDC @ 250mA**
Voltage Inputs	**0 - 1V, 0 - 5V, 0 - 10V and 0 - 20V**
Current Inputs	**0 - 20mA and 4 - 20mA**
Impedance Inputs	**0 - 500Ω, 0-1kΩ and 0-3kΩ**
Digital Inputs	**Yes**
Broadcast Rate	**2 to 1,024 seconds**
Maximum Number of Units on a Single C-Bus Network	**10**
Status Indicators	**Unit and C-Bus**
A/D Conversion	**8 - bit**
Accuracy	**0.5%**
Warm Up Time	**5 seconds**
Network Clock	**Software selectable**
Network Burden	**Software selectable**
C-Bus Termination	**2 x RJ45 Socket**
Load Termination	**2 x 1.5mm² or 1 x 2.5mm²**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Provides 4 channels of input, compatible with a range of third party sensor products
- Capable of threshold switching or broadcasting value onto the network
- Programmable via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Designed to fit standard 35mm top hat DIN rail
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







E5504GI illustrated

CATALOGUE NUMBER	DESCRIPTION
***E5504GI**	4 channel general input module

***Ask for availability**

Auxiliary Input Unit

Learn Enabled

The auxiliary input unit is a DIN rail mounted unit that provides four isolated inputs for voltage free, mechanical switches to interface to the C-Bus network. The auxiliary input supports momentary and latching switch types.

The auxiliary input unit features learn mode, Channel, C-Bus and unit status indicators.

The auxiliary input unit may be programmed with the same functions as a key input, including toggle, timer, dimmer and scene control.

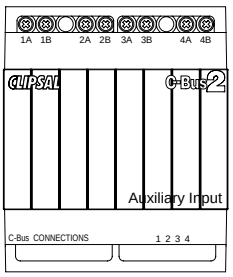
L5504AUX

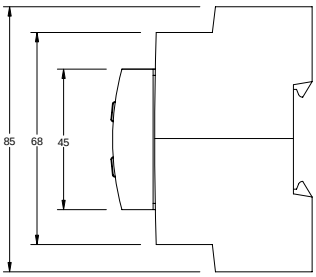
TECHNICAL INFORMATION

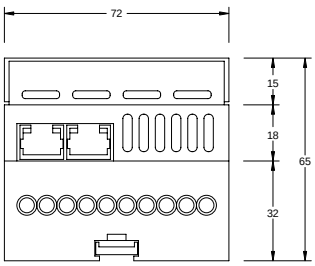
Catalogue Number	**L5504AUX**
C-Bus Supply Voltage	**15-36VDC @ 18mA**
Switch Isolation	**500V**
Maximum Switch and Cable Impedance	**1000Ω**
Switch Open Voltage	**5V**
Switch Closed Current	**0.4mA**
Maximum Number of Units on a Single C-Bus Network	**100**
Status Indicators	**Channel (4), Unit and C-Bus**
Warm Up Time	**5 seconds**
C-Bus Termination	**2 x RJ45 Sockets**
Load Termination	**2 x 1.5mm² or 1 x 2.5mm²**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Provides 4 channels of input, compatible with voltage free mechanical switches
- Isolated inputs, up to 500V isolation
- Programmable by learn mode or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Designed to fit standard 35mm top hat DIN rail
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







L5504AUX illustrated

CATALOGUE NUMBER	DESCRIPTION
***L5504AUX**	4 channel auxiliary input unit

***Ask for availability**

Bus Coupler

Learn Enabled

The bus couplers provide non-isolated inputs for voltage free, mechanical switches to interface to the C-Bus network. The bus couplers support momentary and latching switch types.

The bus coupler units may be programmed with the same functions as a key input, including toggle, timer, dimmer and scene control.

The four channel bus coupler provides support for 4 switches which are programmed to report the state of the switch.

The bus couplers are small in size and volume and are designed to fit into any wallbox.

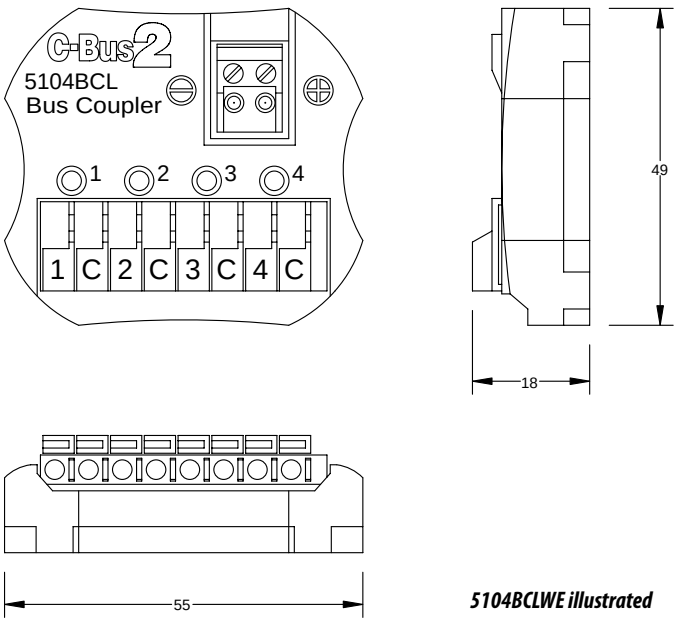
5104BCLWE

TECHNICAL INFORMATION

Catalogue Number	**5104BCL**
C-Bus Supply Voltage	**15-36VDC @ 18mA**
Maximum Distance between Switch and Bus Coupler	**1m**
Number of Channels	**4**
LED Drive Output	**0mA**
Maximum Number of Units on a Single C-Bus Network	**100**
Status Indicators	**Channel (4)**
Warm Up Time	**5 seconds**
C-Bus Termination	**Screw terminals**
Load Termination	**Push Terminals, 1 x 1.5mm2**
Operating Temperature	**0˚C to 45˚C**
Operating Humidity	**0 - 95% RH, non condensing**

PRODUCT FEATURES

- Provides 4 channels of input, compatible with voltage free mechanical switches
- Programmable by learn mode or using the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Small in size and volume, designed to fit into any wallbox
- CE (European Community) compliant



5104BCLWE illustrated

CATALOGUE NUMBER	DESCRIPTION
5104BCLWE	Bus coupler auxiliary input

Pascal Automation Controller

The Pascal Automation Controller (PAC) is a DIN rail mounted device that provides sophisticated and affordable control of a Clipsal C-Bus system. The PAC can perform operations in response to monitored events by executing custom written embedded programs. These programs are written by installers to suit individual application needs using the Microsoft Windows™ based programming interface for C-Bus embedded devices or 'PICED' software.

The PAC provides a USB interface through which programs are downloaded. The USB connection can also be used to communicate directly with a C-Bus installation via a PC. This allows the PAC to function as a PC Interface and can be used by the C-Bus Toolkit Software when configuring a C-Bus installation.

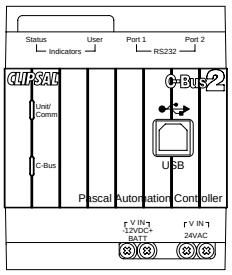
5500PACA

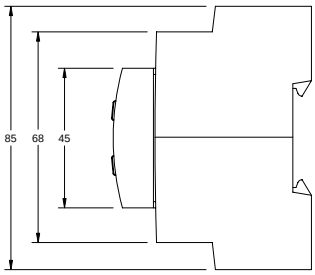
TECHNICAL INFORMATION

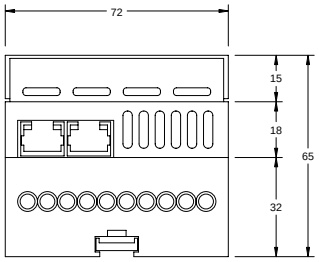
Catalogue Number	**5500PACA**
C-Bus Supply Voltage	**15-36VDC @ 32mA**
Battery Backup Supply Voltage	**12VDC @ 30mA**
Network Clock	**Software selectable**
Network Burden	**Software selectable**
Maximum Number of C-Bus Applications Supported	**10**
C-Bus Connections	**2 x RJ45 Sockets**
RS-232 Port Connectors	**2 x RJ45**
Dimensions	**72mm(W) x 92mm(H) x 63mm(D)**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**10 - 95% RH**

PRODUCT FEATURES

- Conditional and real-time events programming for C-Bus
- Dedicated scheduling, logic and scene programming modules
- Connects to and powered by C-Bus
- Programmable using the C-Bus Toolkit Software
- Includes a built-in real time clock
- Compact size
- 2 x RS-232 ports for third party device control
- CE (European Community) compliant







5500PACA illustrated

CATALOGUE NUMBER	DESCRIPTION
5500PACA	Pascal Automation Controller

Indoor Motion Sensor, 90 Degrees

The indoor occupancy sensors are surface mounted, input units used to detect movement by sensing natural thermal radiation emitted from any moving body. When movement is detected, the unit issues commands over the C-Bus network to control C-Bus output devices. In addition, the unit features a light level sensor to automatically switch lighting on, under low light conditions.

The sensor has a detection field that covers an area up to 8.5 metres from the unit, with a field of view of 90 degrees. The unit features a 'lens less' design with 12 overlapping zones forming a continuous detection field, therefore resulting in uniform sensitivity across the whole of the detection field, with no dead zones. This features allows the sensor to be ceiling or wall mounted.

The sensor features learn mode, which permits the unit to be programmed without the need for a PC connected to the system.

The sensor features an environmental rating of IP44 and is suitable for indoor applications. The sensor is designed for surface mount applications, and located in the corner of the room where detection is required.

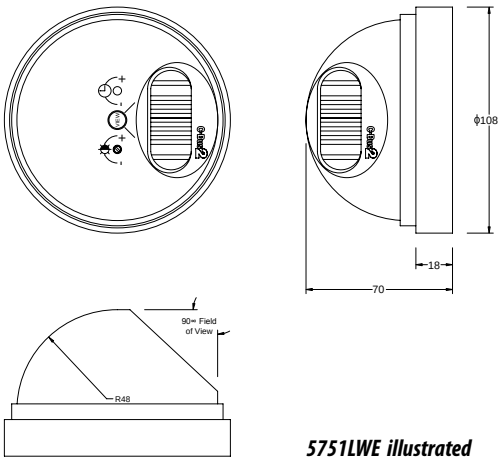
5751LWE

TECHNICAL INFORMATION

Catalogue Number	**5751LWE**	**E5751L**
Base, Mounting Centres	**84mm**	**60.3mm**
C-Bus Supply Voltage	**15-36VDC @ 18mA**	
Timer Range	**Programmable, 1 sec - 18 hrs**	
Timer Resolution	**1 sec**	
Light Threshold Adjustment	**User adjustable, 1 Lux to full sunlight**	
Mounting Height	**2.4m nominal, (2.0 to 3.2m)**	
Field of View	**90 degrees**	
Detection Area	**6m x 6m**	
Maximum Number of Units on a Single C-Bus Network	**100**	
Status Indicator	**Walk test LED**	
Warm Up Time	**5 seconds**	
IP Rating	**IP44**	
C-Bus Termination	**Fly lead x 2**	
Operating Temperature Range	**0˚C to 45˚C**	
Operating Humidity Range	**0 - 95% RH, non-condensing**	

PRODUCT FEATURES

- Programmable by learn mode or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Programmable walk test LED for commissioning
- User adjustable light level threshold, from low light (1 Lux) to full sunlight
- Dual element detectors to minimise false triggering.
- Optical bandpass filter minimises unwanted heat sources from triggering the circuitry
- CE (European Community) compliant



5751LWE illustrated

CATALOGUE NUMBER	DESCRIPTION
5751LWE	PIR indoor occupancy sensor-learn

Indoor Motion Sensor, 360 Degrees

The indoor occupancy sensors are flush mounted, input units used to detect movement by sensing natural thermal radiation emitted from any moving body. When movement is detected, the unit issues commands over the C-Bus network to control C-Bus output devices. In addition, the unit features a light level sensor to automatically switch lighting on, under low light conditions.

The sensor has a detection field that covers an elliptical area up to 12m x 14m, with a field of view of 360 degrees. The unit features a multi-segmented Fresnel lens design, for superior detection capability.

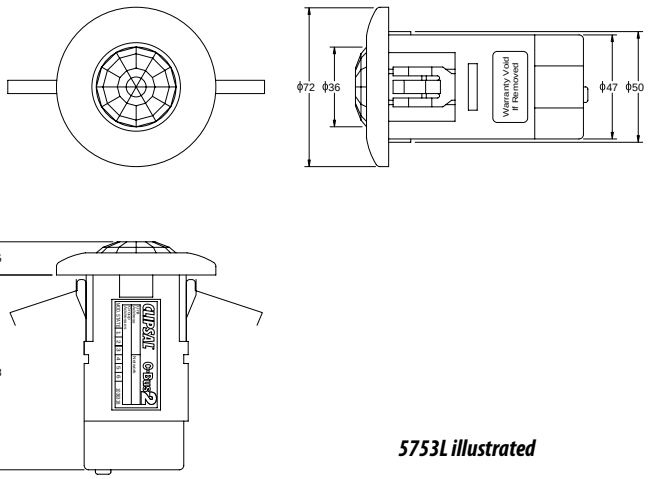
The sensor features learn mode, which permits the unit to be programmed without the need for a PC connected to the system.

The sensor features an environmental rating of IP44 and is suitable for indoor applications. The sensor is compact in size, and is designed for flush mount applications, located at the centre of the detection area.

5753L

TECHNICAL INFORMATION

Catalogue Number	**5753L**
C-Bus Supply Voltage	**15-36VDC @ 18mA**
Timer Range	**Programmable, 1 sec - 18 hrs**
Timer Resolution	**1 sec**
Light Threshold Adjustment	**User adjustable, 1 Lux to full sunlight**
Mounting Height	**2.4m nominal, (2.0 to 3.2m)**
Field of View	**360 degrees**
Detection Area	**12m x 14m**
Maximum Number of Units on a Single C-Bus Network	**100**
Status Indicator	**Walk test LED**
Warm Up Time	**5 seconds**
IP Rating	**IP44**
C-Bus Termination	**Screw terminals**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**



5753L illustrated

PRODUCT FEATURES

- Programmable by learn mode or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Programmable walk test LED for commissioning
- User adjustable light level threshold, from low light (1 Lux) to full sunlight
- Dual element detectors to minimise false triggering
- Optical bandpass filter minimises unwanted heat sources from triggering the circuitry
- Designed for flush mount applications, protrudes only 8mm
- CE (European Community) compliant

CATALOGUE NUMBER	DESCRIPTION
5753L	Indoor occupancy sensor, 360 degrees

Outdoor Motion Sensor, 110 Degrees

The outdoor occupancy sensors are surface mounted, input units used to detect movement by sensing natural thermal radiation emitted from any moving body. When movement is detected, the unit issues commands over the C-Bus network to control C-Bus output devices. In addition, the unit features a light level sensor to automatically switch lighting on, under low light conditions.

The sensor has a detection field that covers an area up to 18 metres from the unit, with a field of view of 110 degrees. Advanced microprocessor circuit technology and a flat multi-segmented lens, divide the field of view into 28 zones located at four different levels. This ensures immediate reaction of body movement and reduces the number of 'dead zones' that can be penetrated.

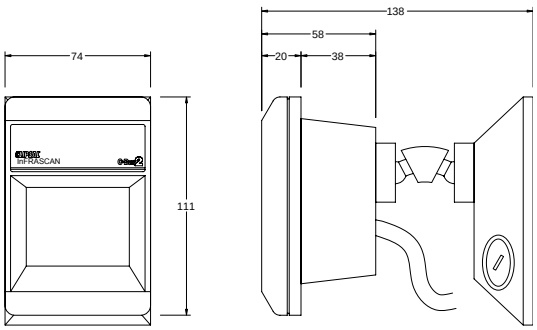
The sensor features learn mode, which permits the unit to be programmed without the need for a PC connected to the system.

The sensor features an environmental rating of IP66 and is suitable for outdoor applications.

E5750WPL

TECHNICAL INFORMATION

Catalogue Number	**E5750WPL**
Base, Mounting Centres	**60.3mm**
C-Bus Supply Voltage	**15-36VDC @ 18mA**
Timer Range	**Programmable, 1 sec - 18 hrs**
Timer Resolution	**1 sec**
Light Threshold Adjustment	**User adjustable, 1 Lux to full sunlight**
Mounting Height	**2.4m nominal, (2.0 to 3.2m)**
Field of View	**110 degrees**
Detection Area	**18m radius x 110 degrees**
Lens Type	**Frensel, multi-segmented**
Maximum Number of Units on a Single C-Bus Network	**100**
Status Indicator	**Walk test LED**
Warm Up Time	**5 seconds**
C-Bus Termination	**Fly lead x 2**
IP Rating	**IP66**
Operating Temperature Range	**0˚C to 45˚C**



E5750WPL illustrated

PRODUCT FEATURES

- Programmable by learn mode or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Programmable walk test LED for commissioning
- User adjustable light level threshold, from low light (1 Lux) to full sunlight
- Dual element detectors to minimise false triggering
- Optical bandpass filter minimises unwanted heat sources from triggering the circuitry
- CE (European Community) compliant

CATALOGUE NUMBER	DESCRIPTION
E5750WPL	Outdoor PIR

Indoor Multi-Sensor, 360 Degrees

The indoor occupancy sensors are surface mounted, input units used to detect movement by sensing natural thermal radiation emitted from any moving body. When movement is detected, the unit issues commands over the C-Bus network to control C-Bus output devices. In addition, the unit features a light level sensor to automatically switch lighting on, under low light conditions.

The sensor has a detection field that covers an area up to 8.5 metres from the unit, with a field of view of 90 degrees. The unit features a 'lens less' design with 12 overlapping zones forming a continuous detection field, therefore resulting in uniform sensitivity across the whole of the detection field, with no dead zones. This feature allows the sensor to be ceiling or wall mounted.

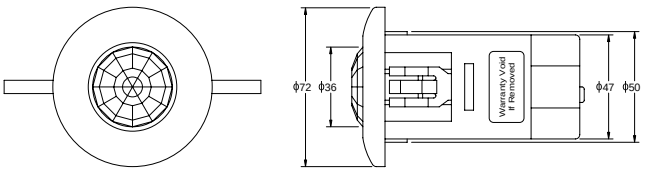
The sensor features learn mode, which permits the unit to be programmed without the need for a PC connected to the system.

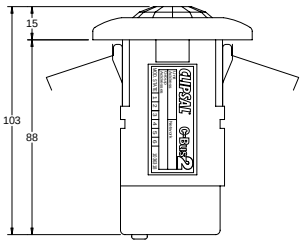
The sensor features an environmental rating of IP44 and is suitable for indoor applications. The sensor is designed for surface mount applications, and located in the corner of the room where detection is required.

5753PEIRL

TECHNICAL INFORMATION

Catalogue Number	**5753PEIRL**
C-Bus Supply Voltage	**15-36VDC @ 18mA**
Timer Range	**Programmable, 1 sec - 18 hrs**
Timer Resolution	**1 sec**
Light Threshold Adjustment	**Programmable, 1 Lux to full sunlight**
Light Regulation	**40 - 3000 Lux**
Mounting Height	**2.4m nominal, (2.0 to 3.2m)**
Field of View	**360 degrees**
Detection Area	**Programmable, up to 12m x 8.5m**
IR Receiver	**Remote enabled/disable control**
Maximum Number of Units on a Single C-Bus Network	**100**
Status Indicator	**Walk test and IR receive LED**
Warm Up Time	**5 seconds**
IP Rating	**IP44**
C-Bus Termination	**Screw terminals**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**





5753PEIRL illustrated

PRODUCT FEATURES

- Programmable by learn mode or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Programmable walk test LED for commissioning
- User adjustable light level threshold, from low light (1 Lux) to full sunlight
- Dual element detectors to minimise false triggering
- Optical bandpass filter minimises unwanted heat sources from triggering the circuitry
- CE (European Community) compliant

CATALOGUE NUMBER	DESCRIPTION
5753PEIRL	PIR light level IR combination sensor

Light Level Sensors

The light level sensors are surface mounted input units used to measure ambient light levels and regulate lighting loads.

The sensor has a field of view of 180 degrees and is capable of measuring lighting levels in the range of 20 to 3000 lux and regulating lighting in the range of 40 to 1600 lux, which is suitable for most commercial applications.

The light level sensor may be used in conjunction with non-dimmable ballasts to bank switch luminairies or with dimmable electronic ballasts to regulate lighting levels continuously, within a programmed target range.

The unit features built in lag, to prevent rapid changes in output, due to changes in environmental conditions, such as cloud cover or rapid movement through the detection area.

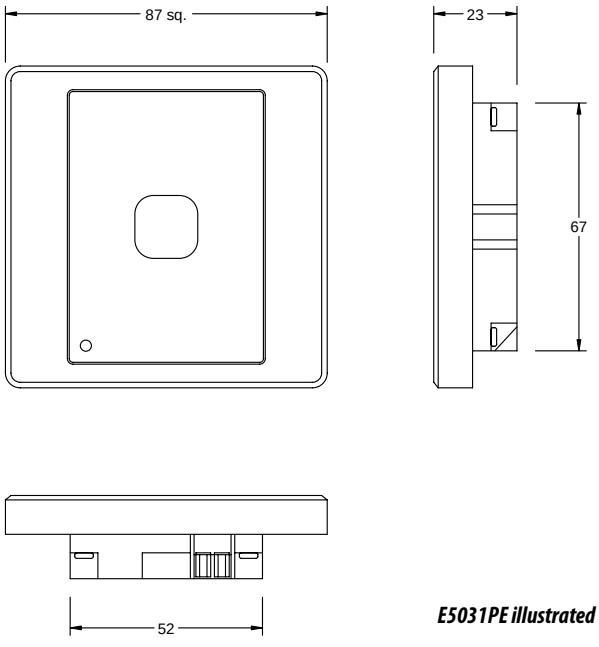
E5031PE

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36VDC @ 18mA**
Light Level (measure)	**20 - 3000 lux**
Light Level (regulate)	**40 - 1600 lux**
Field of View	**180 degrees**
Time Constant	**Approx. 90 seconds**
Mounting Height	**2.4m nominal, (2.0 to 3.2m)**
Field of View	**180 degrees**
Maximum Number of Units on a Single C-Bus Network	**100**
Status Indicator	**Programmable**
Warm Up Time	**5 seconds**
C-Bus Termination	**Screw terminals**
Standard Colours	**White**
Operating Temperature	**0˚C to 45˚C**
Operating Humidity	**0 - 95% RH, non condensing**

PRODUCT FEATURES

- Programmable using the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Programmable target light level and margin
- Bank switching or light level regulation
- CE (European Community) compliant



E5031PE illustrated

CATALOGUE NUMBER	DESCRIPTION
E5031PE	Light level sensor, 40-1600 lux
IP66 Weatherproof Series	
***5031PEWPGY**	Light level sensor, IP66

***Ask for availability**

Clock Modules

The clock modules are surface mounted, input units used to provide basic timing functions and convenient control of C-Bus output units.

The clock modules are 7-day timers, featuring 42 program storage locations for event programming. Events may be programmed up to 6 days in advance and event durations may be up to 99 days.

The clock modules are powered from the two wire C-Bus connection, they feature a rechargeable power storage that maintains the clock for up to 24 hours, in the event of loss of the C-Bus power supply.

The clock modules also feature a daylight saving option and random check generator from 5 to 60 minutes.

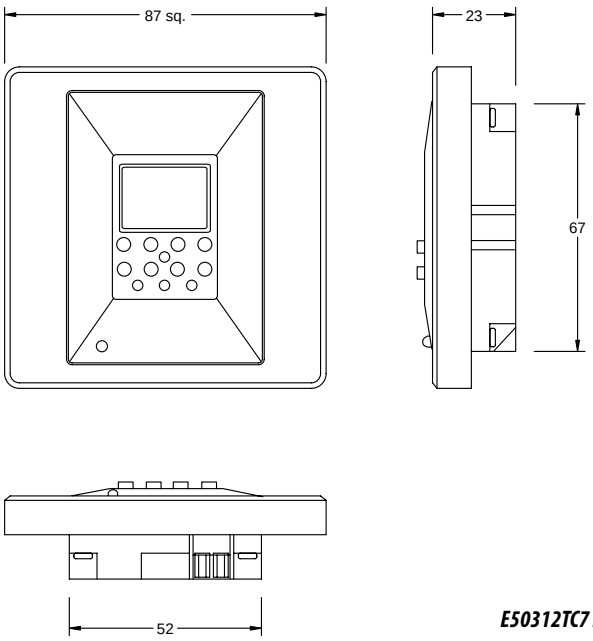
E50312TC7

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36VDC @ 18mA**
Timer	**7 day**
Number of Channels	**2**
Memory Locations	**42**
Accuracy	**2.5 sec/day @ 20˚C**
Timer Resolution	**1 minute**
Running Reserve	**24 hours (without C-Bus power)**
Reserve Charge Time	**2 minutes**
Daylight Saving Mode	**Yes**
Random Event Generator	**5 to 60 minutes**
Display	**Iconic LCD display, grey scale**
Maximum Number of Units on a Single C-Bus Network	**100**
Status Indicator	**Programmable**
Warm Up Time	**5 seconds**
C-Bus Termination	**Screw terminals**
Standard Colours	**White**
Operating Temperature	**0˚C to 45˚C**
Operating Humidity	**0 - 95% RH, non condensing**

PRODUCT FEATURES

- Programmable using the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Reserve power backup in case of loss of C-Bus supply
- CE (European Community) compliant



E50312TC7 illustrated

CATALOGUE NUMBER	DESCRIPTION
***E50312TC7**	Clock module 7day vertical

***Ask for availability**

Telephone Interface

The telephone interface unit provides a remote telephone interface to the C-Bus network. The dial in, dial out facility permits the user to dial in and navigate a voice prompt menu to monitor and control devices on the C-Bus network from a remote location. Control is exercised using the DTMF keypad on the phone.

The telephone interface facilities a connection to the C-Bus network for remote programming of the units using the C-Bus Toolkit Software.

An audio output is also included so that C-Bus events can be audibly announced. The telephone interface connects to either the public switched telephone network (PSTN) or to a local PABX.

The telephone interface unit includes the facility to issue voice prompts, send commands, report status and to obtain operator responses using DTMF tones. The responses are turned into actions on a C-Bus network.

For added security, the telephone interface requires the telephone user to enter a user profile number and password to access the voice prompt menus. Upon receipt of the correct password, the unit activates a voice prompt menu and directs the user to available actions or more menus.

The telephone interface incorporates a history log, is supplied pre-loaded with a standard library of words and phrases and supports multiple languages.

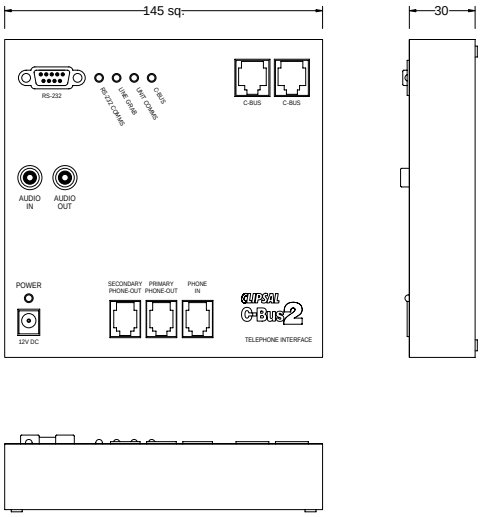
E5100TAU

TECHNICAL INFORMATION

Catalogue Numbers	**E5100TAU**
C-Bus Supply Voltage	**15 - 36VDC @ 20mA**
CBTI Power Supply	**12VDC or 15VAC, 50/60Hz power pack not included**
Status Indicators	**C-Bus, Line Grab, Serial Comms. and Internal Comms.**
Modes	**Home and Away**
C-Bus Connection	**2 x RJ45 sockets**
PC Interface Connection	**DB9 socket**
Telephone Connection	**3 x RJ12 sockets (1 incoming/2 outgoing)**
Audio Connection	**2 RCA sockets (in/out)**
Network Burden	**Software selectable**
System Clock	**Software selectable**
Voice Library	**User programmable**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Programmable using the C-Bus telephone interface configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Audio out (line out) to annunciate messages
- Includes user profile number and password to access voice prompt menus
- Remote programming of the C-Bus devices
- Supports communication through C-Bus network bridges
- CE (European Community) compliant



E5100TAU illustrated

CATALOGUE NUMBER	DESCRIPTION
***E5100TAU**	Telephone interface module

***Ask for availability**

System Units

Ethernet Network Interface

The Ethernet network interface is a C-Bus device designed to provide an isolated communications path between an Ethernet 10 Base-T network and C-Bus network. This allows high-speed control and monitoring of a C-Bus installation via the TCP/IP protocols used in computer networks and by the Internet.

The network interface is a near instantaneous connection to a C-Bus network. It provides a gateway between high-speed, high bandwidth Ethernet communication and the robust, time tested Clipsal C-Bus control system.

In addition to programming, the network interface provides similar convenience for third party applications to issue commands to a C-Bus network and monitor the behavior of units on the network. The network interface is assigned an IP address, just like a PC on a computer network. Once an IP address is assigned it is possible for a myriad of applications, applets and third party system to send C-Bus commands to the C-Bus network remotely.

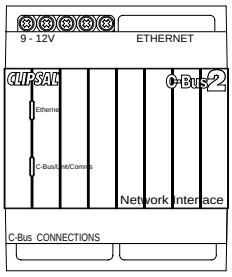
E5500CN

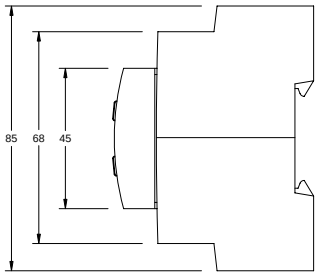
TECHNICAL INFORMATION

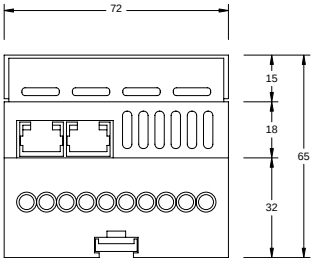
Catalogue Number	**E5500CN**
C-Bus Supply Voltage	**15-36VDC @ 22mA**
Ethernet Supply Voltage	**9-12VAC/DC**
Network Speed	**10 Base-T**
Network Protocol	**TCP/IP**
Status Indicators	**Network and C-Bus**
Network Burden	**Software selectable**
System Clock	**Software selectable**
C-Bus Termination	**2 x RJ45 sockets**
Ethernet Termination	**1 x RJ45 socket, shielded**
Power Pack	**Not included**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Provides a TCP/IP interface to the C-Bus network
- Provides high-speed backbone communications path
- Permits any size C-Bus networks, overcomes restrictions of network size when Network Bridges are used
- Programmable via the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Designed to fit standard 35mm top hat DIN rail, measures just 4M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







E5500CN illustrated

CATALOGUE NUMBER	DESCRIPTION
E5500CN	Computer network interface, 10 Base-T

PC Interface

5500PC

5500PCU

The PC Interface is a C-Bus device designed to provide an isolated, bi-directional, interface between the PC and the C-Bus network. Through the PC Interface, C-Bus units can be programmed, commands can be issued and activity on the C-Bus network can be monitored.

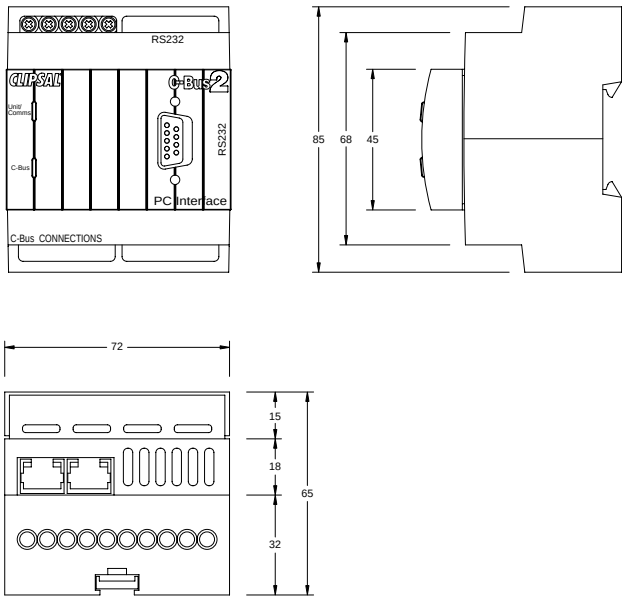
Installation of the PC Interface on the C-Bus network requires connection to the Category 5 unshielded twisted pair network cable.

TECHNICAL INFORMATION

C-Bus Supply Voltage	**15-36VDC @ 32mA**
Status Indicators	**Unit and C-Bus**
Network Burden	**Software selectable**
System Clock	**Software selectable**
C-Bus Termination	**2 x RJ45 sockets**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Provides a serial interface to the C-Bus network
- C-Bus units may be configured, monitored or controlled via the serial connection
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Designed to fit standard 35mm top hat DIN rail, measures just 4M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant



5500PC illustrated

CATALOGUE NUMBER	DESCRIPTION
5500PC	PC Interface RS232
5500PCU	PC Interface USB

Network Bridge

The network bridge is a network support device that provides an isolated communications channel between C-Bus units on separate networks. Both sides of the network bridge are optically isolated, providing electrical isolation between adjacent networks.

Network bridges are required to manage networks to particular units in particular zones, or to extend the network past system limitations of 100 passive units and 1000 metres of C-Bus cable in any one network.

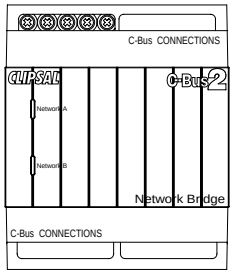
5500NB

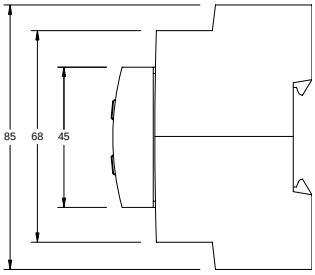
TECHNICAL INFORMATION

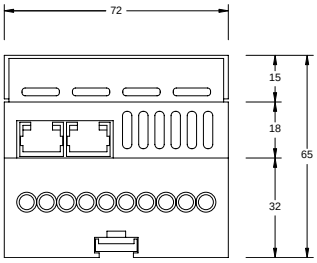
Catalogue Number	**5500NB**
C-Bus Supply Voltage	**15-36VDC @ 20mA**
Electrical Isolation rating (between networks)	**3,500V RMS (opto-isolated, 1 minute)**
Maximum Number of Units on a Single C-Bus Network	**100**
Status Indicators	**Network 1 and Network 2**
C-Bus Termination	**4 x RJ45 sockets (Network 1 and 2)**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Provides an isolated communications path between networks
- Programmable via the C-Bus configuration software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of C-Bus power
- Designed to fit standard 35mm top hat DIN rail, measures just 4M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







5500NB illustrated

CATALOGUE NUMBER	DESCRIPTION
***5500NB**	Network bridge DIN rail

***Ask for availability**

Power Supply

The power supply converts the line voltage input to 36VDC output, required for correct operation by C-Bus devices. The power supply can source up to 350mA to the network and power supplies may be added in parallel as more C-Bus devices are added to the network, under these conditions the power supplies share the load current equally.

The power supplies feature short circuit and reverse polarity protection and the line voltage is galvonically isolated from the C-Bus output side.

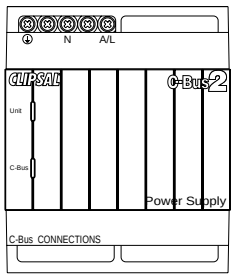
5500PS

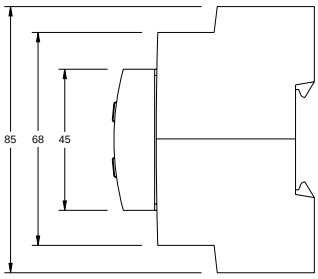
TECHNICAL INFORMATION

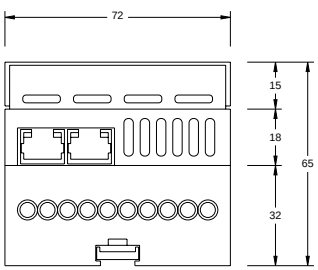
Catalogue Numbers	**5500PS**
Line Supply Voltage	**220-240VAC**
Supply Frequency	**47-53Hz**
Output Voltage	**32-39VDC**
Output Current	**350mA (maximum)**
Duration of Short Circuit on Output	**Indefinite**
AC Isolation Mains/C-Bus	**3,750V RMS**
Warm-Up Time	**3 seconds**
Number of C-Bus Units, Supported by one Power Supply (Standard passive unit = 18mA)	**19**
Maximum Number of Units on a Single C-Bus Network	**5**
Maximum Voltage Drop measured between Power Supply and Passive C-Bus Unit for correct operation	**10VDC**
Status Indicators	**Unit and C-Bus**
C-Bus Termination	**2 x RJ45 sockets**
Line Termination	**2 x 1.5mm² or 1 x 2.5mm²**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Delivers up to 350mA to the C-Bus network
- High efficiency switched mode power supply design
- Units may be operated in parallel on the same network
- Does not require programming on installation
- Designed to fit standard 35mm top hat DIN rail, measures just 4M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







5500PS illustrated

CATALOGUE NUMBER	DESCRIPTION
5500PS	Power supply 350mA

Network Analyser

The network analyser is a field diagnostic tool designed to measure and report the status of various network parameters.

The network analyser connects to the C-Bus network and is used to measure the network voltage, active clock and network impedance and determine if these are within acceptable limits for correct operation.

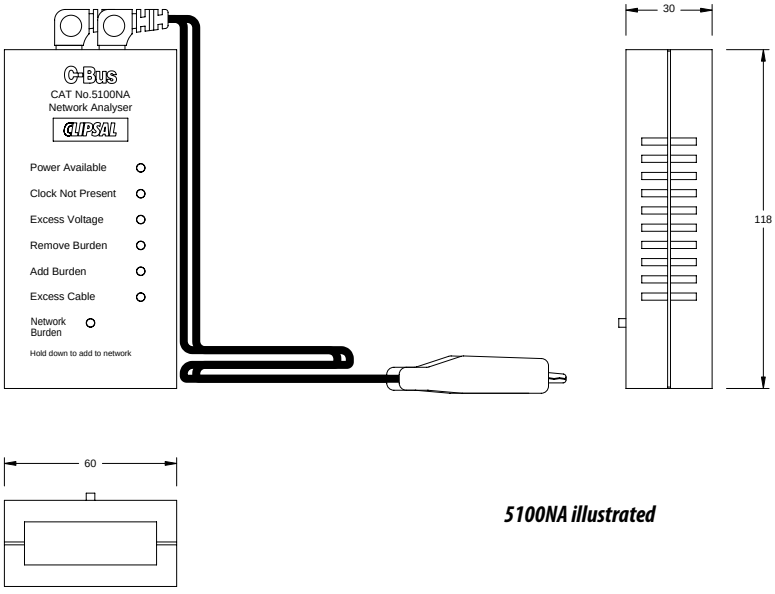
The unit displays the results by illuminating LEDs located on the unit.

Note: The network analyser should be used in conjunction with the C-Bus Calculator software application.

***5100NA**

TECHNICAL INFORMATION

Catalogue Numbers	**5100NA**
C-Bus Supply Voltage	**15-36VDC @ 20mA**
Status Indicators	**Power available** **Clock not present** **Excess voltage** **Remove burden** **Add burden** **Excess cable**
C-Bus Termination	**2 x Alligator clips**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**



5100NA illustrated

CATALOGUE NUMBER	DESCRIPTION
***5100NA**	Network analyser

***Ask for availability**

Network Cable

The C-Bus network cable is a Category 5, unshielded twisted pair cable specifically developed for use with the C-Bus control network. The cable features a unique pink coloured outer sheath for ease of identification.

The cable is recommended for all C-Bus installations, and is mandatory for certified sites. The cable provides immunity to induced noise from external sources and superior crosstalk performance.

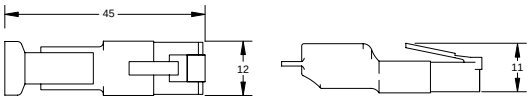
5005C305B

TECHNICAL INFORMATION

Catalogue Number	**5005C305B**
Data Grade Insulation	**100 +/- 15 Ohms**
Length	**305m (boxed)**
DC Resistance	**<93.8 Ohms/1000m @ 20˚C**
Sheath	**Coloured PVC (pink), type V75 C, nominal diameter 5.2mm**
SRL	**24.69dB at 33.11MHz**
Power Sum NEXT	**53.84dB at 7.59MHz**
Construction	**4-Pair 1/0.51 (0.2mm²), 24AWG**

CATALOGUE NUMBER	DESCRIPTION
5005C305B	Cable, 4-Pair, UTP, Cat 5, 305m

Network Burden



5500BURDEN illustrated

5500BURDEN

CATALOGUE NUMBER	DESCRIPTION
5500BURDEN	Network burden RJ45 (pack of 10)

Output Units

8 Channel Dimmer Range
Learn Enabled

The 8 channel dimmer units are DIN rail mounted units employing leading edge phase control circuitry for dimming control. These dimmer units feature learn mode, local and remote overrides for on/off control, channel, C-Bus and unit status indicators.

Each dimmer channel is rated at 1 Amp and is suitable for incandescent and low voltage lighting using magnetic and leading edge compatible transformers. The dimmer output is controllable over the range of 2-98%, while frequency tracking algorithms ensure flicker-free operation and smooth dimming control.

The dimmer units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

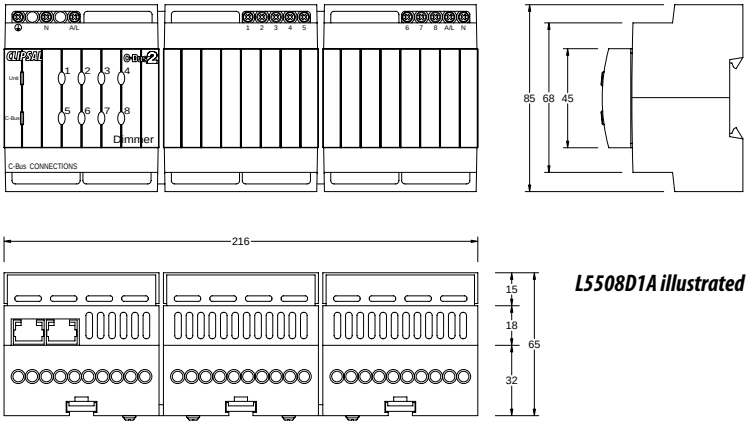
L5508D1A

TECHNICAL INFORMATION

Catalogue Number	L5508D1A	L5508D1AP
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
Frequency Drift	3Hz/minute (maximum)	
Frequency Step Change	0.1Hz (maximum)	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	1A	
Minimum Load	15W per channel	
Control Range	2 - 98%	
Compatible Loads	Incandescent and low voltage lighting. Ensure compatible leading edge electronic transformers are used.	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (8), Unit and C-Bus	
Warm Up Time	5 seconds	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm² or 1 x 2.5mm²	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	

PRODUCT FEATURES

- Provides 8 x 1A channels of dimming control
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling.
- Logic states (max/min) programmable using the C-Bus Toolkit Software
- Employs frequency-tracking algorithms for smooth flicker free operation
- Designed to fit standard 35mm top hat DIN rail, measures just 12M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant



L5508D1A illustrated

CATALOGUE NUMBER	DESCRIPTION
L5508D1AP	8 Channel dimmer 1A, 220/240VAC 50/60Hz
L5508D1A	8 Channel dimmer 1A, 220/240VAC 50/60Hz, C-Bus 200mA

4 Channel Dimmer Range
Learn Enabled

The 4 channel dimmer units are DIN rail mounted units employing leading edge phase control circuitry for dimming control. These dimmer units feature learn mode, local and remote overrides for on/off control, channel, C-Bus and unit status indicators.

Each dimmer channel is rated at 2 Amps and is suitable for incandescent and low voltage lighting using magnetic and leading edge compatible transformers. The dimmer output is controllable over the range of 2-98%, while frequency tracking algorithms ensure flicker-free operation and smooth dimming control.

The dimmer units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

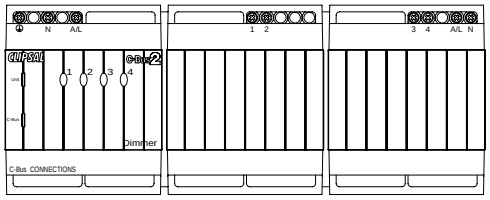
L5504D2A

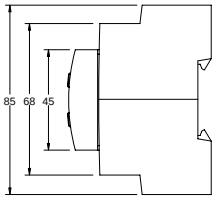
TECHNICAL INFORMATION

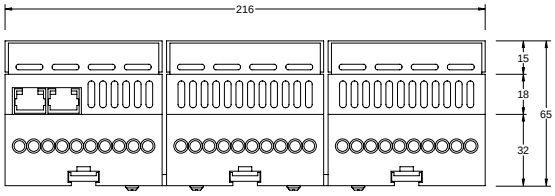
Catalogue Number	L5504D2A	L5504D2AP
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
Frequency Drift	3Hz/minute (maximum)	
Frequency Step Change	0.1Hz (maximum)	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	2A	
Minimum Load	15W per channel	
Control Range	2 - 98%	
Compatible Loads	Incandescent and low voltage lighting. Ensure compatible leading edge electronic transformers are used.	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (4), Unit and C-Bus	
Warm Up Time	5 seconds	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm² or 1 x 2.5mm²	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	

PRODUCT FEATURES

- Provides 4 x 2A channels of dimming control
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (max/min) programmable using the C-Bus Toolkit Software
- Employs frequency-tracking algorithms for smooth flicker free operation
- Designed to fit standard 35mm top hat DIN rail, measures just 12M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







L5504D2A illustrated

CATALOGUE NUMBER	DESCRIPTION
L5504D2AP	4 Channel dimmer 2A, 220/240VAC 50/60Hz
L5504D2A	4 Channel dimmer 2A, 220/240VAC 50/60Hz, C-Bus 200mA

Universal Dimmer Range
Learn Enabled

The Universal dimmers are DIN rail mounted C-Bus dimmers with automatic load sensing. These units can be used with leading edge or trailing edge compatible low voltage electronic transformers, as well as incandescent lamps and low voltage lamps with iron-core transformers. The units feature 4 independent channels of 2.5A output per channel, and are available with and without on-board 200mA C-Bus Power Supply and provide a software selectable Network Burden and C-Bus System Clock.

TECHNICAL INFORMATION

Catalogue number	**L5504D2U**	**L5504D2UP**
AC supply voltage	**220 – 240V**	
AC supply frequency	**47 – 53Hz & 53 – 63Hz**	
Single or 3 phase supply	**1,2 or 3 phase**	**Single phase**
AC supply frequency	**47 – 53Hz & 53 – 63Hz**	
Number of channels	**4**	
C-Bus learn enabled	**Yes**	
Maximum incandescent load per channel	**2.5A**	
Maximum iron core transformer load per channel	**2.5A**	
Maximum electronic transformer load per channel	**2.5A**	
Wall or DIN mounted	**DIN**	
No. of DIN modules wide	**12 DIN modules**	
Mains terminals	**2 x 1.5mm^2 or 1 x 2.5mm^2**	
Dimensions	**215 x 85 x 65mm**	
Maximum units on a network (255 networks)	**10**	**100**
C-Bus connections	**2 x RJ45**	

PRODUCT FEATURES

- Provides 4 x 2.5A channels of dimming control.
- Programmable via the learn mode feature or using the C-Bus Toolkit software.
- Provides 4 universal phase controlled dimming channels in a 12M wide DIN rail enclosure.

CATALOGUE NUMBER	DESCRIPTION
L5504D2U	4 Channel 2.5A per channel dimmer, 200mA Power Supply
L5504D2UP	4 Channel 2.5A per channel dimmer without power

3 Channel Professional Dimmers

The 3 channel Professional Dimmers designed for commercial applications such as hotels, restaurants and office buildings.

The dimmers are C-Bus controlled, high power, multi phase control units, compatible with a wide range of load types, including neon. Dimming is achieved through phase control techniques creating a highly efficient range of dimmers.

The Professional Dimmers provide on-board MCB protection and thermal overload protection, and contain modular output channel cards of various ratings, allowing customisation to suit site needs.

A maintained active output is provided on each channel for emergency lighting. Each channel card has a bypass switch which permits direct local override of the lighting circuit. In the event of an over-temperature condition, such as one caused by excessive load current, the dimmer channel reduces the output power.

The Professional Dimmer is designed and tested for a wide range of international markets with comprehensive EMC and electrical safety testing and is fully ROHS compliant.

TECHNICAL INFORMATION

Load terminal standby leakage current	**< 10 mA leading edge**
AC supply voltage	**240/415 V AC**
AC supply frequency	**47 to 53 Hz**
Number of input phases	**1 Phase (5 Amp model)**
	1 or 3 Phase (10 Amp model)
	3 Phase (other models)
Minimum load/channel	**20 W for incandescent**
Compatible Loads	**Incandescent and low voltage lighting. Ensure compatible leading edge electronic transformers are used.**
Dimming technology	**Leading edge 5 Amp; Triac**
	Leading edge 10-20 Amp; SCR
Soft-start ramp time	**0.5 sec**
Load current rise time	**200 µs**
Power control range	**1.5% to 95%**
Standby AC supply current	**90 mA base current**
	75 mA each LE Channel
Short circuit withstand strength	**6 kA**
Rated insulation voltage	**500 V**
Dielectric test voltage	**2500 V**

PRODUCT FEATURES

- Soft start load turn-on protects lamp filaments.
- Voltage compensation to minimise load brightness variation if the AC supply voltage drifts.
- Filtering reduces supply voltage signalling effects.
- Linear output load power following input control.
- C-Bus network burden and system clock generator.
- After mains fail, dimmers return to previous or preset values.
- Local C-Bus override switches on front panel.
- Channel Status indicators on front control panel.
- On-board MCB and optional RCD protection.
- Mounting brackets included for ease of installation.
- Generous load and mains supply terminals.
- Emergency lighting output for each channel.
- Manual dimmer bypass switch on all channels.
- Fan-free operation, reduces maintenance requirements.
- Suitable for single or three phase track lighting applications with optional three phase MCBs and RCDs
- CE (European Community) compliant

Contact Schneider Electric on 0870 608 8 608 for more information.

6 Channel Professional Dimmers

The 6 channel Professional Dimmers are designed for commercial applications such as hotels, restaurants and office buildings.

The dimmers are C-Bus controlled, high power, multi phase control units, compatible with a wide range of load types, including neon. Dimming is achieved through phase control techniques creating a highly efficient range of dimmers.

The Professional Dimmers provides on-board MCB protection and thermal overload protection, and contain modular output channel cards of various ratings, allowing customisation to suite site needs.

A maintained active output is provided on each channel for emergency lighting. Each channel card has a bypass switch which permits direct local override of the lighting circuit. In the event of an over-temperature condition, such as one caused by excessive load current, the dimmer channel reduces the output power.

The Professional Dimmer is designed and tested for a wide range of international markets with comprehensive EMC and electrical safety testing and is fully ROHS compliant.

TECHNICAL INFORMATION

Load terminal standby leakage current	**< 10 mA leading edge**
	< 1mA trailing edge
AC supply voltage	**240/415 V AC**
AC supply frequency	**47 to 53 Hz**
Number of input phases	**1 Phase (3 Amp model)** **1 or 3 Phase (10 Amp model)** **3 Phase (other models)**
Minimum load/channel	**20 W for incandescent**
Compatible Loads	**Incandescent and low voltage lighting.** **Ensure compatible leading edge electronic transformers are used.**
Dimming technology	**Leading edge 3-5 A Triac**
	Leading edge 10-20 A Dual SCR
Soft-start ramp time	**0.5 sec**
Load current rise time	**200 µs**
Power control range	**1.5% to 95%**
Standby AC supply current	**90 mA base current**
	75 mA each LE Channel
Short circuit withstand strength	**6 kA***
Rated insulation voltage	**500 V**
Dielectric test voltage	**2500 V**

*Note for 3 A model installer must connect dimmer to mains with protection rated at 20 A per phase 6 kA short circuit withstand strength

PRODUCT FEATURES

- Soft start load turn-on protects lamp filaments.
- Voltage compensation to minimise load brightness variation if the AC supply voltage drifts.
- Filtering reduces supply voltage signalling effects.
- Linear output load power following input control.
- C-Bus network burden and system clock generator.
- After mains fail, dimmers return to previous or preset values.
- Local C-Bus override switches on front panel.
- Channel Status indicators on front control panel.
- On-board MCB and optional RCD protection.
- Mounting brackets included for ease of installation.
- Generous load and mains supply terminals.
- Emergency lighting output for each channel.
- Manual dimmer bypass switch on all channels.
- Fan-free operation, reduces maintenance requirements.
- Suitable for single or three phase track lighting applications with optional three phase MCBs and RCDs
- CE (European Community) compliant

Contact Schneider Electric on 0870 608 8 608 for more information.

12 Channel Professional Dimmers

The 12 channel Professional Dimmers are designed for commercial applications such as hotels, restaurants and office buildings.

The dimmers are C-Bus controlled, high power, multi phase control units, compatible with a wide range of load types, including neon. Dimming is achieved through phase control techniques creating a highly efficient range of dimmers.

The Professional Dimmers provide on-board MCB protection and thermal load protection, and contain modular output channel cards of various ratings, allowing customisation to suite site needs.

A maintained active output is provided on each channel for emergency lighting. Each channel card has a bypass switch which permits direct local override of the lighting circuit. In the event of an over-temperature condition, such as one caused by excessive load, the dimmer channel reduces the output power.

The Professional Dimmer is designed and tested for a wide range of international markets with comprehensive EMC and electrical safety testing and is fully ROHS compliant.

TECHNICAL INFORMATION

Load terminal standby leakage current	**< 10 mA leading edge**
AC supply voltage	**240/415 V AC**
AC supply frequency	**47 to 53 Hz**
Number of input phases	**3 Phase**
	1 or 2 Phase (3 Amp model)
Minimum load/channel	**20 W for incandescent**
Compatible Loads	**Incandescent and low voltage lighting. Ensure compatible leading edge electronic transformers are used.**
Dimming technology	**Leading Edge 3-5A Triac**
	Leading Edge 10-20A Dual SCR
Soft-start ramp time	**0.5 sec**
Load current rise time	**200 µs**
Power control range	**1.5% to 95%**
Standby AC supply current	**90 mA base current**
	75 mA each LE Channel
Short circuit withstand strength	**6 kA**
Rated insulation voltage	**500 V**
Dielectric test voltage	**2500 V**

*Note for 3A model installer must connect dimmer to mains with protection rated at 20A per phase 6kA short circuit withstand strength

PRODUCT FEATURES

- Soft start load turn-on protects lamp filaments.
- Voltage compensation to minimise load brightness variation if the AC supply voltage drifts.
- Mounting brackets included for ease of installation.
- Suitable for single or three phase track lighting applications with optional 3 phase MCB's and RCD's
- Filtering to reduce supply voltage signalling effects.
- After mains fail, dimmer returns to previous or preset values.
- Linear output load power following input control.
- C-Bus network burden and network clock generator.
- Emergency lighting output for each channel.
- On-board MCB and/or RCD protection.
- Fan free operation, reduces maintenance requirements.
- Manual dimmer bypass switch on all channels.
- Local C-Bus override switches on front panel.
- Generous mains supply terminals and load terminals.
- Channel Status indicators on front control panel.
- CE (European Community) compliant

Contact Schneider Electric on 0870 608 8 608 for more information.

Single and Two Channel Relay Range
Non Learn Mode

The 1 and 2 channel relay units are panel mounted units suitable for switching resistive, inductive and fluorescent loads. The units are ideally suited for mounting inside fluorescent lighting products, street lighting columns and adjacent HID luminaires due to their small size and volume.

These relay units feature a remote override for on/off control and a C-Bus status indicator.

Load control is provided by a special dual contact relay designed for extreme long life with lighting loads, even with power factor corrected fluorescent lamps. One contact is tungsten designed to withstand high in-rush currents and arcing when opening and the other contact is silver alloy for steady state current operation.

The single channel relay also features a 0-10V output, and is compatible with dimmable electronic ballasts, hence the relay may be used to switch line voltage to the ballast as well as dim the output using the 0-10V output.

The relay units are available as passive models only, hence do not source current to the C-Bus network.

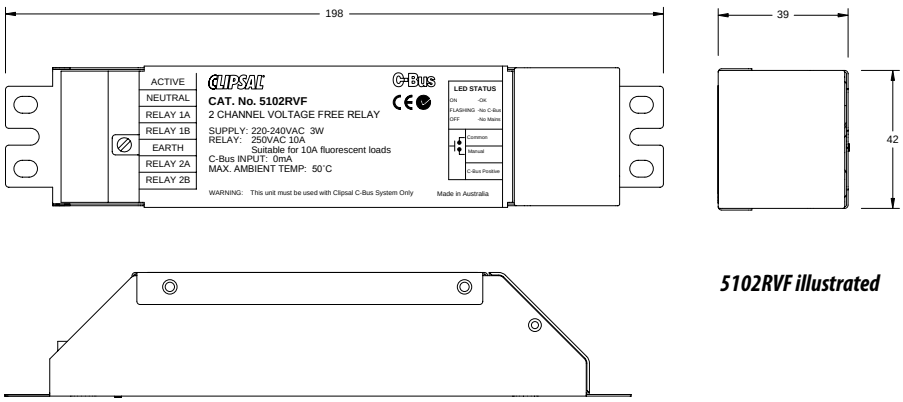
5102RVF

TECHNICAL INFORMATION

Catalogue Number	5101R	5102RVF
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	10A AC3	
Contact Type	Switched active	Voltage free, normally open, non latched
Switch Operations	Greater than 60,000 operations	
In-Rush Current	120A (20msec)	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
Analog Output	0 - 10VDC, compatible with up to 2 x 36W immable electronic ballasts	-
C-Bus Source Current	0mA	
Maximum Number of Units on a Single C-Bus Network	100	
Status Indicators	C-Bus power available	
C-Bus Termination	Screw terminals	
Load Termination	Push connectors, 1 x 2.5mm²	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	

PRODUCT FEATURES

- Programmable via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Panel mounted, small size and volume
- CE (European Community) compliant



5102RVF illustrated

CATALOGUE NUMBER	DESCRIPTION
*5101R	1 Channel relay, 10A, Non Learn Enabled, non DIN
*5102RVF	2 Channel relay, 10A, Non Learn Enabled, non DIN

*Ask for availability

4 Channel 10A Relay Range
Learn Enabled

The 4 channel relay units are DIN rail mounted units suitable for switching resistive, inductive and fluorescent loads.

These relay units feature learn mode, local and remote overrides for on/off control, Channel, C-Bus and unit status indicators.

Load control is provided by a special dual contact relay designed for extreme long life with lighting loads, even with power factor corrected fluorescent lamps. One contact is tungsten designed to withstand high in rush currents and arcing when opening and the other contact is silver alloy for steady state current operation.

The relay units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

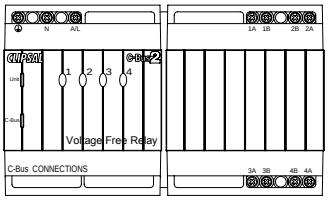
L5504RVF

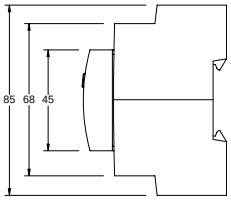
TECHNICAL INFORMATION

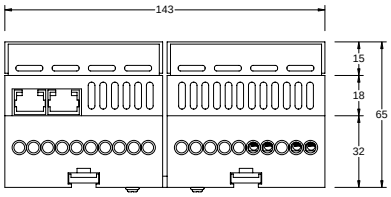
Catalogue Number	L5504RVF	L5504RVFP
Line Supply Voltage	220-240VA	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	10A	
Contact Type	Voltage free, normally open, magnetically latched	
Switch Operations	Greater than 60,000 operations	
In-Rush Current	120A (20msec)	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (4), Unit and C-Bus	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm² or 1 x 2.5mm²	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	

PRODUCT FEATURES

- Provides 4 x 10A channels of switching output
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Features magnetically latched relays that hold state in case of loss of C-Bus communications
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







L5504RVF illustrated

CATALOGUE NUMBER	DESCRIPTION
L5504RVFP	4 Channel relay 10A, 220/240VAC 50/60Hz
L5504RVF	4 Channel relay 10A, 220/240VAC 50/60Hz, C-Bus 200mA

8 Channel 10A Relay Range
Learn Enabled

The 8 channel relay units are DIN rail mounted units suitable for switching resistive, inductive and fluorescent loads.

These relay units feature learn mode, local and remote overrides for on/off control, channel, C-Bus and unit status indicators.

Load control is provided by a special dual contact relay designed for extreme long life with lighting loads, even with power factor corrected fluorescent lamps. One contact is tungsten designed to withstand high in-rush currents and arcing when opening and the other contact is silver alloy for steady state current operation.

The relay units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

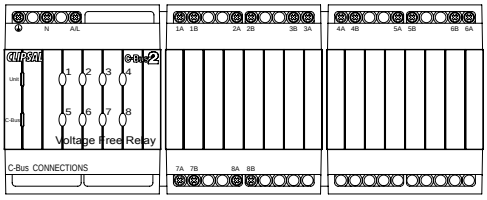
L5508RVF

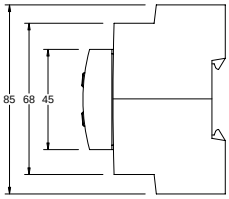
TECHNICAL INFORMATION

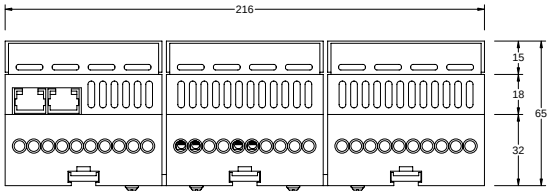
Catalogue Number	L5508RVF	L5508RVFP
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	10A	
Contact Type	Voltage free, normally open, magnetically latched	
Switch Operations	Greater than 60,000 operations	
In-Rush Current	120A (20msec)	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
C-Bus Source Current		200mA 0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (8), Unit and C-Bus	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm² or 1 x 2.5mm²	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	

PRODUCT FEATURES

- Provides 8 x 10A channels of switching output
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Features magnetically latched relays that hold state in case of loss of C-Bus communications
- Designed to fit standard 35mm top hat DIN rail, measures just 12M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







L5508RVF illustrated

CATALOGUE NUMBER	DESCRIPTION
L5508RVFP	8 Channel relay 10A, 220/240VAC 50/60Hz
L5508RVF	8 Channel relay 10A, 220/240VAC 50/60Hz, C-Bus 200mA

12 Channel 10A Relay Range
Learn Enabled

The 12 channel relay units are DIN rail mounted units suitable for switching resistive, inductive and fluorescent loads.

These relay units feature learn mode, local and remote overrides for on/off control, Channel, C-Bus and unit status indicators.

Load control is provided by a special dual contact relay designed for extreme long life with lighting loads, even with power factor corrected fluorescent lamps. One contact is tungsten designed to withstand high in-rush currents and arcing when opening and the other contact is silver alloy for steady state current operation.

The relay units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

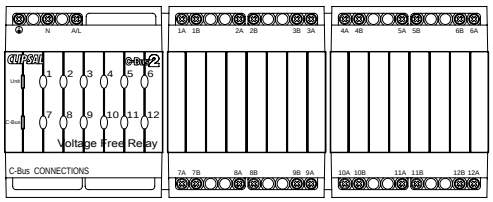
L5512RVF

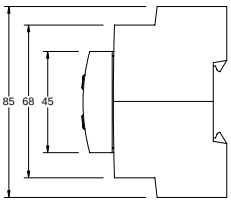
TECHNICAL INFORMATION

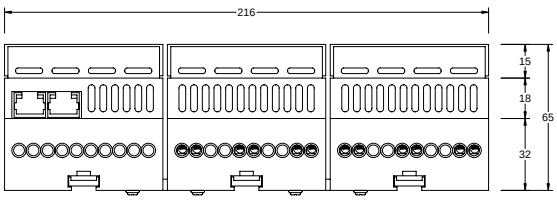
Catalogue Number	L5512RVF	L5512RVFP
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	10A	
Contact Type	Voltage free, normally open, magnetically latched	
Switch Operations	Greater than 60,000 operations	
In-Rush Current	120A (20msec)	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (12), Unit and C-Bus	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm² or 1 x 2.5mm²	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	

PRODUCT FEATURES

- Provides 12 x 10A channels of switching output
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling.
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Features magnetically latched relays that hold state in case of loss of C-Bus communications
- Designed to fit standard 35mm top hat DIN rail, measures just 12M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







L5512RVF illustrated

CATALOGUE NUMBER	DESCRIPTION
L5512RVFP	12 Channel relay 10A, 220/240VAC 50/60Hz
L5512RVF	12 Channel relay 10A, 220/240VAC 50/60Hz, C-Bus 200mA

4 Channel 20A Relay Range
Learn Enabled

The 4 channel relay units are DIN rail mounted units suitable for switching resistive, inductive and fluorescent loads.

These relay units feature learn mode, local and remote overrides for on/off control, Channel, C-Bus and unit status indicators.

Load control is provided by a special mechanically latched relay, with local mechanical override on the unit, independent of the C-Bus communications. Each relay is rated at 20A, and is compatible with resistive, inductive, incandescent and fluorescent load types.

The relay units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

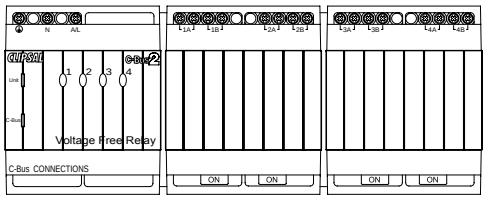
L5504RVF20

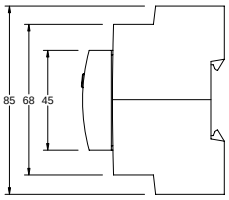
TECHNICAL INFORMATION

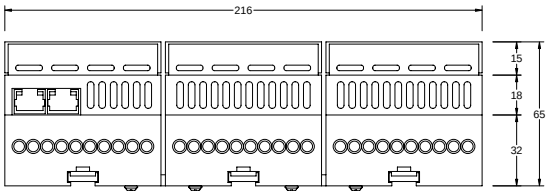
Catalogue Number	L5504RVF20	L5504RVF20P
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	20A	
Contact Type	Voltage free, normally open, magnetically latched	
Switch Operations	Greater than 60,000 operations	
In-Rush Current	120A (20msec)	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (4), Unit and C-Bus	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm² or 1 x 2.5mm²	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	

PRODUCT FEATURES

- Provides 4 x 20A channels of switching output
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Mechanical override independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Features mechanically latched relays that hold state in case of loss of C-Bus communications
- Designed to fit standard 35mm top hat DIN rail, measures just 12M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







L5504RVF20 illustrated

CATALOGUE NUMBER	DESCRIPTION
*L5504RVF20P	4 Channel relay 20A, 220/240VAC 50/60Hz
*L5504RVF20	4 Channel relay 20A, 220/240VAC 50/60Hz, C-Bus 200mA

*Ask for availability

4 Channel Relay Driver Range
Non Learn Mode

The 4 channel relay units are DIN rail mounted units designed to control up to four channels of external latching relay loads. The relay driver is used in conjunction with the relay modules type 5000RL20 (single channel 20A) and 5002RL20 (dual channel 20A).

These relay driver units feature a remote override for on/off control, C-Bus and unit status indicators. These units are low cost and do not feature learn mode or local override control.

The relay units are available as passive models only, and do not source current to the C-Bus network.

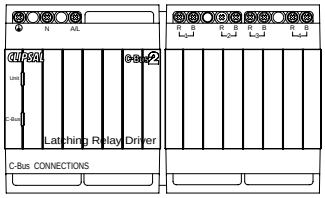
5504RDP

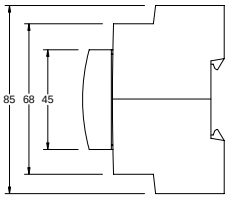
TECHNICAL INFORMATION

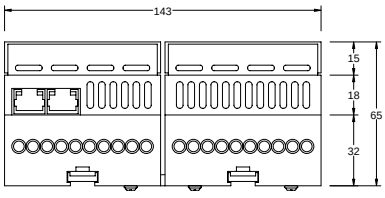
Catalogue Number	**5504RDP**
Line Supply Voltage	**220-240VAC**
Supply Frequency	**47-53Hz and 57-63Hz**
C-Bus Supply Voltage	**15-36VDC @ 0mA**
Driver Circuit	**Use only with 5000RL20 or 5002RL20**
C-Bus Source Current	**0mA**
Maximum Number of Units on a Single C-Bus Network	**100**
Status Indicators	**Unit and C-Bus**
Network Clock	**Software selectable**
Network Burden	**Software selectable**
C-Bus Termination	**2 x RJ45 Socket**
Load Termination	**2 x 1.5mm² or 1 x 2.5mm²**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Capable of controlling up to four channels of external latching relay loads
- Programmable via the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







5504RDP illustrated

CATALOGUE NUMBER	DESCRIPTION
***5504RDP**	4 Channel relay Driver

***Ask for availability**

4 Channel Relay Driver Range
Learn Enabled

The DIN Driver is a 8M DIN rail mounted product designed to operate in conjunction with the relay units, 5000RL20 and 5002RL20. The relay driver is a C-Bus device, learn enabled which supplies control signal (pulse output) to drive the external relay.

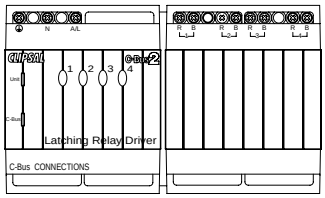
The advantages of the relay driver are, the external relay may be remotely mounted, and if a relay unit fails it may be replaced without the need to replace the relay drivers.

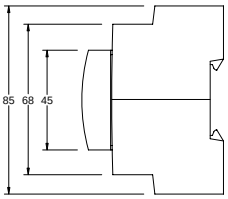
The relay driver features local overrides so the state of the external relay may be toggled from the unit.

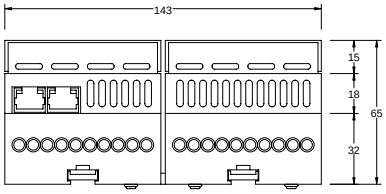
L5504RDP

TECHNICAL INFORMATION

Catalogue Number	**L5504RDP**
Line Voltage	**220-240VAC**
C-Bus Source Current	**0mA**
Maximum Number of Units on a Single C-Bus Network	**100**







L5504RDP illustrated

PRODUCT FEATURES

- Units available both with and without a 200mA C-Bus power supply on-board
- Configured via either the C-Bus Installation Software or via the Learn Enabled Features
- Local on/off toggle buttons allow individual channels to be manually overridden at each unit
- Remote on and off facilities permit all channels to be turned on or off without C-Bus network communication
- Incorporates C-Bus Network Status, Mains Power Status, and Load Status indicators
- Capable of generating a C-Bus clock signal if enabled
- CE (European Community) compliant
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size

CATALOGUE NUMBER	DESCRIPTION
***L5504RDP**	4 Channel relay Driver, C-Bus 200mA

***Ask for availability**

Single Relay Module

The single channel relay, is a heavy duty, mechanically latched, DIN rail mounted relay and is rated at 20 Amps continuous use. The relay can withstand high in-rush currents and is suitable for incandescent, high intensity discharge lamps and fluorescent loads.

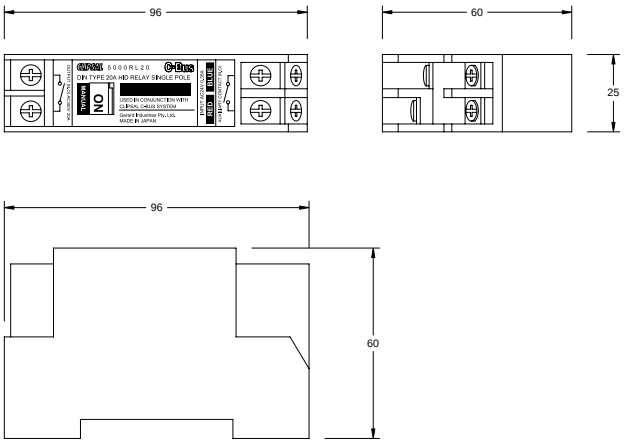
The relay module features a set of auxiliary contacts (normally open) and mechanical on/off control for manual operation.

The single channel relay must be used in conjunction with the 5504RDP or L5504RDP relay driver products.

5000RL20

TECHNICAL INFORMATION

Catalogue Number	**5000RL20**
Line Supply Voltage	**220-240VAC**
Supply Frequency	**47-53Hz and 57-63Hz**
Load Rating per Channel	**20A AC3**
Contact Type	**Voltage free, normally open, mechanically latched**
Switch Operations	**Greater than 30,000 operations**
Auxiliary Contacts	**Normally open**
In-Rush Current	**300A (80msec)**
Compatible Loads	**Resistive, inductive, incandescent and fluorescent**
Load Termination	**2 x 1.5mm² or 1 x 2.5mm²**
Dimensions	**1.5M (M = 17.5mm)**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**
Compliances	**RCM, CE**



5000RL20 illustrated

CATALOGUE NUMBER	DESCRIPTION
***5000RL20**	Single relay, 20A (High In-Rush Current)

***Ask for availability**

Dual Relay Module

The dual channel relay, is a heavy duty, mechanically latched, DIN rail mounted relay and is rated at 20 Amps continuous use. The relay can withstand high in-rush currents and is suitable for incandescent, high intensity discharge lamps and fluorescent loads.

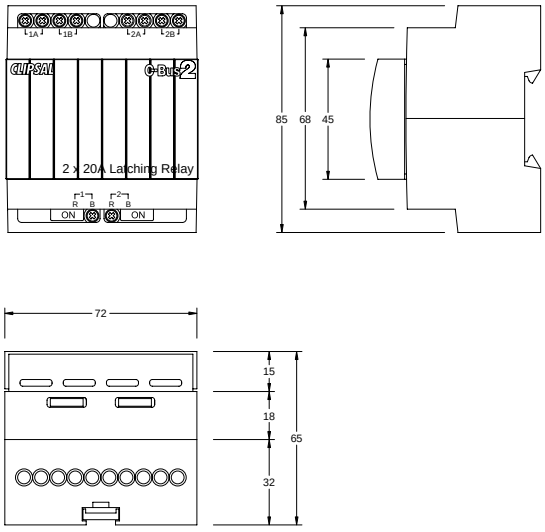
The relay module features mechanical on/off control for manual operation.

The dual channel relay must be used in conjunction with the 5504RDP or L5504RDP relay driver products.

5002RL20

TECHNICAL INFORMATION

Catalogue Number	**5002RL20**
Line Supply Voltage	**220-240VAC**
Supply Frequency	**47-53Hz and 57-63Hz**
Load Rating per Channel	**20A AC3**
Contact Type	**Voltage free, normally open, mechanically latched**
Switch Operations	**Greater than 60,000 operations**
In-Rush Current	**120A (20msec)**
Compatible Loads	**Resistive, inductive, incandescent and fluorescent**
Load Termination	**2 x 1.5mm² or 1 x 2.5mm²**
Dimensions	**4M (M = 17.5mm)**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**
Compliance	**RCM, CE**



5002RL20 illustrated

CATALOGUE NUMBER	DESCRIPTION
***5002RL20**	Dual relay, 20A

***Ask for availability**

4 Channel Changeover Relay Range
Learn Enabled

The 4 channel changeover relay units are DIN rail mounted units suitable for switching resistive, inductive and fluorescent loads.

These relay units feature learn mode, local and remote overrides for on/off control, Channel, C-Bus and unit status indicators.

Load control is provided by non-latched, changeover relays that feature both normally open (N.O.) and normally closed (N.C.) contacts. The changeover relays can be interlocked and have applications in curtain and blind controls (up/down) or 3 speed air-conditioning controls (on/off, low, medium and high).

The relay units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

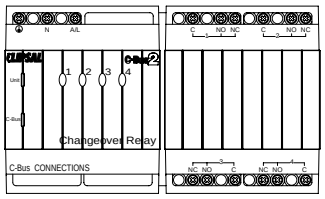
L5504RVFC

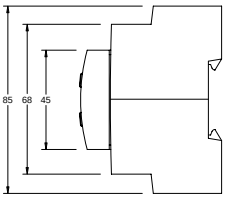
TECHNICAL INFORMATION

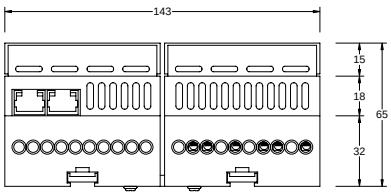
Catalogue Number	L5504RVFC	L5504RVFCP
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	10A resistive, 5A inductive and incandescent, 1A fluorescent	
Contact Type	Voltage free, normally open, magnetically latched	
Switch Operations	Greater than 60,000 operations	
Compatible Loads	Resistive, inductive, incandescent and fluorescent	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (4), Unit and C-Bus	
Warm Up Time	5 seconds	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm² or 1 x 2.5mm²	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	

PRODUCT FEATURES

- Provides 4 channels of changeover, non-latched relay outputs
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control, independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (and/or) programmable using the C-Bus Toolkit Software
- Relays may be interlocked for curtain, blinds and 3 speed air-conditioning controls
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







L5504RVFC illustrated

CATALOGUE NUMBER	DESCRIPTION
*L5504RVFCP	4 Channel changeover, relay 220/240VAC 50/60Hz
*L5504RVFC	4 Channel changeover, relay 220/240VAC 50/60Hz, C-Bus 200mA

***Ask for availability**

4 Channel Analogue Output Range
Learn Enabled

The 4 channel analogue output units are DIN rail mounted units designed to control 0 - 10V and 1 - 10V compatible dimmable electronic ballasts used in the lighting industry.

These analogue output units feature learn mode, local and remote overrides for on/off control, Channel, C-Bus and unit status indicators.

Each channel is capable of sourcing or sinking current and the number of ballasts that may be connected to the analogue output unit is a function of the current drain of that particular ballast.

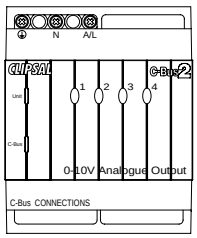
The analogue control signal typically regulates lighting output over the range of 3 - 100%. The dimming transitions are smooth and flicker free.

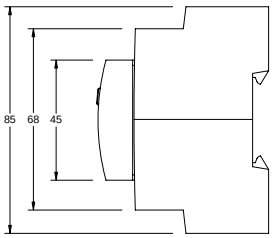
The analogue output units are available as passive models only, hence do not source current to the C-Bus network.

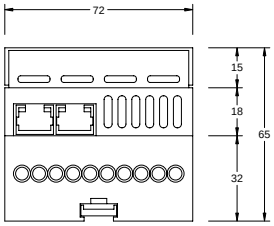
L5504AMP

TECHNICAL INFORMATION

Catalogue Number	**L5504AMP**
Line Supply Voltage	**220-240VAC**
Supply Frequency	**47-53Hz and 57-63Hz**
C-Bus Supply Voltage	**15-36VDC @ 0mA**
Output Control Range	**0-10VDC**
Control Range	**3 - 100%**
Source Current	**2.5mA**
Sink Current	**15mA at Vout = 0V, 8.0mA at Vout = 10V i.e. I = 15 - (0.7 Vout) mA**
Maximum Number of Units on Single C-Bus Network	**100**
Status Indicators	**Channel Status (4), Unit and C-Bus**
Warm Up Time	**5 seconds**
Network Clock	**Software selectable**
Network Burden	**Software selectable**
C-Bus Termination	**2 x RJ45 Socket**
Load Termination	**2 x 1.5mm² or 1 x 2.5mm²**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**







L5504AMP illustrated

PRODUCT FEATURES

- Provides 4 channels of 0 - 10V dimming control
- Programmable via the learn mode feature or using the C-Bus Toolkit Software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (max/min) programmable using the C-Bus Toolkit Software
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant

CATALOGUE NUMBER	DESCRIPTION
***L5504AMP**	4 Channel Analogue Output, 0-10V, 220/240VAC 50/60Hz

***Ask for availability**

Blind Control Relay

The Blind Control Relay units are designed to directly drive the motors for soft furnishing components like motorised blinds, curtains, shutters and awnings. The relay unit can be easily installed in the switchboard or in the field in the optional din-rail mount enclosure.

Designed with the installer in mind, this unit provides a easy to install module with features required to make direct motor control safe and simple.

L5501RBCP

TECHNICAL INFORMATION

Catalogue Number	**L5501RBCP**
C-Bus Supply Voltage	**15-36V DC @ 22mA required for normal operation. Does not provide current to the C-Bus Network**
AC Input Impedance	**80kΩ @ 1kHz**
Electrical Isolation	**3.75kV RMS from C-Bus to mains**
Max. Units per Network	**80**
Load Current Rating	**2A (motor load)**
Load Voltage Rating	**24V DC, 24-240V AC**
Warm Up Time	**5 seconds**
Network Clock Software	**Selectable**
Network Burden Software	**Selectable**
Class of Switch	**Class II**
Rated Impulse Withstand Voltage	**4 kV**
Operating Temperature	**0° to 45° C**
Operating Humidity	**10 to 95% RH**
Dimensions (W x H x D)	**36 x 93 x 63mm**
Weight	**250g**
Mains terminals	**Accommodates 2 x 1.5mm2 or 1 x 2.5mm2 (2 x 15AWG or 1 x 13AWG)**
Catalogue Number	**5501RE**
Dimensions (W x H x D)	**159 x 75 x 47mm**
Mounting Centres	**84mm**
Weight	**116g**

PRODUCT FEATURES

- Internally electrically interlocked directional contacts
- One, two or three button control from C-Bus switchplates or touchscreens
- Programmable time delays (0.5 – 4.0 seconds) between motor direction change
- Din-rail mounting or optional enclosure for field installation of unit
- Local manual override buttons to assist with setting end-limits.

L5501RBCP illustrated

5501RE illustrated

CATALOGUE NUMBER	DESCRIPTION
***L5501RBCP**	Blind Control Relay
***5501RE**	Enclosure for Blind Control Relay

***Ask for availability**

8 Channel DSI Gateway Range
Learn Enabled

The 8 channel DSI gateway units are DIN rail mounted units designed to control Atco-Tridonic brand dimmable electronic ballasts featuring the digital serial interface. These DSI units feature learn mode, local and remote overrides for on/off control, channel, C-Bus and unit status indicators.

Each DSI channel can drive up to 100 DSI ballasts allowing a total of 800 DSI ballasts to be connected to a single C-Bus/DSI gateway module.

The DSI gateway is capable of detecting faulty lamps connected to its terminals and issuing a message onto the C-Bus network. These messages can be read by C-Gate server application, when integrated as part of an overall building management system, lamp status may be reported to a central location.

The DSI units are available as passive and current sourcing models that source up to 200mA to the C-Bus network.

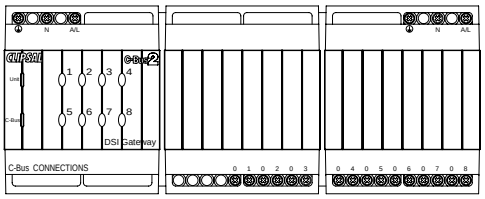
L5508DSI

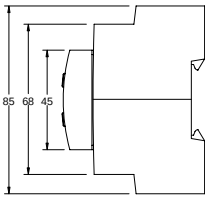
TECHNICAL INFORMATION

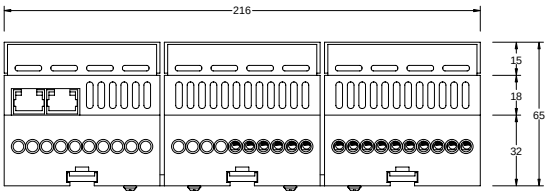
Catalogue Number	L5508DSI	L5508DSIP
Line Supply Voltage	220-240VAC	
Supply Frequency	47-53Hz and 57-63Hz	
C-Bus Supply Voltage	15-36VDC @ 0mA	
Load Rating per Channel	200mA (100 ballasts)	
Minimum Load	15W per channel	
Control Range	0 - 100%	
Compatible Loads	Tridonic DSI dimmable ballasts or equivalent	
Channel Output Voltage	0.0 - 0.8V (low) to 11.0 - 13.0V (high)	
C-Bus Source Current	200mA	0mA
Maximum Number of Units on a Single C-Bus Network	10	100
Status Indicators	Channel Status (8), Unit and C-Bus	
Warm Up Time	5 seconds	
Network Clock	Software selectable	
Network Burden	Software selectable	
C-Bus Termination	2 x RJ45 Socket	
Load Termination	2 x 1.5mm² or 1 x 2.5mm²	
Operating Temperature Range	0˚C to 45˚C	
Operating Humidity Range	0 - 95% RH, non-condensing	

PRODUCT FEATURES

- Provides 8 channels of DSI dimming control
- Programmable via the learn mode feature or using the C-Bus Toolkit software
- Programmed variables are stored in non-volatile memory and are retained in case of loss of mains or C-Bus power
- Local and remote on/off control independent of C-Bus communications
- Programmable power up state following power cycling
- Logic states (max/min) programmable using the C-Bus Toolkit Software
- Monitors and reports lamp state
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant







L5508DSI illustrated

CATALOGUE NUMBER	DESCRIPTION
L5508DSIP	8 Channel dimmer for DSI Ballast, 20A
L5508DSI	8 Channel dimmer for DSI Ballast, 20A, C-Bus 200mA

2 Channel DALI Gateway Range
Learn Enabled

The 2 channel DALI gateway units are DIN rail mounted units designed to control DALI compatible dimmable electronic ballasts and low voltage transformers.

Each DALI channel can drive up to 64 DALI devices allowing a total of 128 DALI devices to be connected to a single C-Bus/DALI gateway module.

With the DALI gateway each of the DALI devices are individually addressable. The DALI gateway also supports 16 groups of devices and 16 scenes, as well as global control over all devices.

The DALI gateway provides two-way communications between C-Bus and DALI devices, in this way C-Bus messages may be routed to DALI devices and visa versa. In addition, the DALI gateway constantly monitors the state of lamps and DALI devices and reports their state to the C-Bus network. These messages can be read by C-Gate server application, when integrated as part of an overall building management system, device status may be reported to a central location.

The DALI units are available as passive units only, hence do not source current to the C-Bus network.

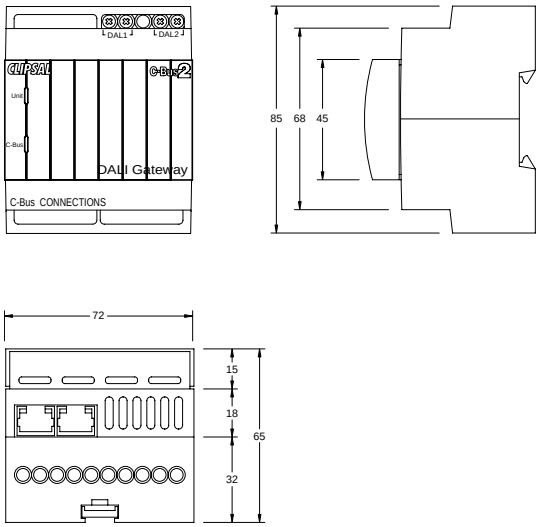
5502DAL

TECHNICAL INFORMATION

Catalogue Number	**5502DAL**
C-Bus Supply Voltage	**15-36VDC @ 32mA**
Load Rating per Channel	**64 DALI devices**
Control Range	**0 - 100%**
Compatible Loads	**Digital Addressable Lighting Interface (DALI) electronic ballasts and low voltage transformers**
Maximum Number of Units on a Single C-Bus Network	**50**
Status Indicators	**Unit and C-Bus**
Warm Up Time	**5 seconds**
Network Clock	**Software selectable**
Network Burden	**Software selectable**
C-Bus Termination	**2 x RJ45 Socket**
Load Termination	**2 x 1.5mm² or 1 x 2.5mm²**
Operating Temperature Range	**0˚C to 45˚C**
Operating Humidity Range	**0 - 95% RH, non-condensing**

PRODUCT FEATURES

- Provides 2 channels of DALI interface, each channel can connect to 64 DALI devices
- Hard coded mapping between C-Bus group addresses and DALI device addresses
- Stored variables located in non-volatile memory and are retained in case of loss of C-Bus or DALI power
- Monitors and reports lamp and DALI device states
- Designed to fit standard 35mm top hat DIN rail, measures just 8M in size
- Designed to fit into standard electrical switchboards
- CE (European Community) compliant



5502DAL illustrated

CATALOGUE NUMBER	DESCRIPTION
5502DAL	2 Channel DALI Gateway

Software Packages

Software Packages

Please note all C-Bus Software Packages need to be programmed via a PC running the Microsoft Windows® operating system. All Installers will require an appropriate level of training and experience before they can program Clipsal C-Bus software packages to customer requirements. A C-Bus accredited System Integrator or approved C-Bus installer with the appropriate level of accreditation should therefore be used for software commissioning. Please contact your C-Bus specialist or Schneider Electric for further information.

Toolkit Software

The C-Bus Toolkit Software includes the new version of the C-Bus Installation Software, Project Manager, and C-Bus Calculator. The software works under Windows™ 98, ME, 2000 and XP and supports a unique barcode scanning feature. This allows the Installer to scan the C-Bus packaging of each new unit to add the unit to the database. This ensures the correct unit type is added and saves the Installer having to select from a list of unit types. The software prints adhesive labels that can be affixed to building plans. These labels include the Unit Address and the physical location that the unit is to be installed at. Labels are duplicated so that one label can be affixed to the unit and one to the electrical plan for the installation. The labels have barcodes on them so that units can be easily re-identified if required.

Please note: The latest version of the C-Bus Toolkit software is freely downloadable from the CIS website at www.clipsal.com/cis

Version 1 OPC Server Software

A C-Bus OPC Server Version 1 allows multiple software applications to share C-Bus data. The OPC Server will primarily be used to provide an interface between third party Building Management Systems or Process Control Presentation (SCADA) Systems and a Clipsal C-Bus system. Therefore experience in such third party systems is essential for s successful integrated C-Bus solution. The USB Dongle works under Windows® XP Home, XP Professional, Server 2003, Vista Ultimate, Vista Business and Vista Enterprise.

Version 4 Schedule Plus Software

C-Bus Schedule Plus Version 4 includes a number of major features, including enhanced scheduling features, support for monitoring load run times, load power and energy consumed, support for fully customizable multilevel, password protected, access level control, support for sunrise and sunset times, support for daylight saving times, support for 128 bit encrypted secure internet connectivity allowing control and monitoring via any Web Browser. The software also includes a fully featured programmable logic engine. The C-Bus USB Key works under Windows® XP Home, XP Professional, Server 2003, Vista Ultimate, Vista Business and Vista Enterprise.

Version 4 HomeGate Software

C-Bus HomeGate Version 4 includes a number of major features, including support for 128 bit encrypted secure internet connectivity allowing control and monitoring via any Web Browser, irrigation system control feature, enhanced scheduling features, support for sunrise and sunset times, and support for daylight saving times. The software also includes a fully featured programmable logic engine. The C-Bus USB Key works under Windows® XP Home, XP Professional, Server 2003, Vista Ultimate, Vista Business and Vista Enterprise.

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Nationwide support on one number –
call the Customer Information Centre on

0870 608 8 608

Fax 0870 608 8 606

Clipsal
Stafford Park 5, Telford
Shropshire TF3 3BL

CLIPSAL®

by Schneider Electric

SE6155.V3

DEC 2009

10A & 15A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

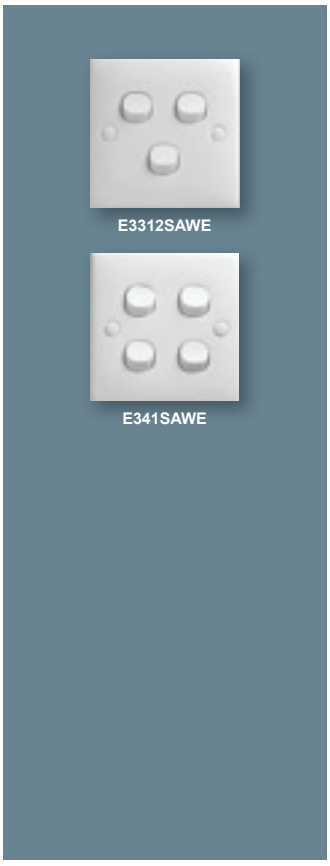
E3112SAWE
10A 1 gang 1 way 2 terminal switch

E3123SAWE
10A 1 gang 2 way 3 terminal switch

E31IAWE
10A 1 gang intermediate switch

E321SAWE
10A 2 gang 1 way 2 terminal switch

E322SAWE
10A 2 gang 2 way 3 terminal switch



10A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E331SAWE
10A 3 gang 1 way 2 termnial switch

E332SAWE
10A 3 gang 2 way 3 terminal switch

E33AWE
10A 3 gang 2 way 4 terminal switch

E341SAWE
10A 4 gang 1 way 2 terminal switch

E342SAWE
10A 4 gang 2 way 3 terminal switch

10A FLUSH SWITCHES

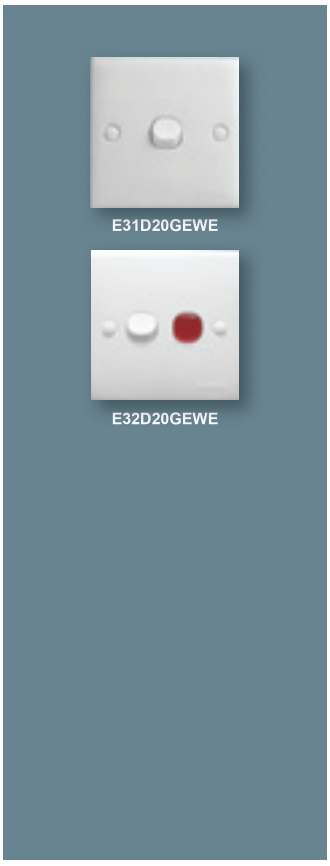
(Designed to IEC60669-1, MS616, SS227)

E351SAWE
10A 5 gang 1 way 2 terminal switch

E352SAWE
10A 5 gang 2 way 3 terminal switch

ET361SAWE
10A 6 gang 1 way 2 terminal switch

ET362SAWE
10A 6 gang 2 way 3 terminal switch



15A & 20A DP FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E31D20GEWE
20A 1 gang DP switch

E32D20GEWE
20A DP switch with neon

E32D20NGEWE
20A DP switch with neon & bottom cable outlet

32A & 45A DP FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

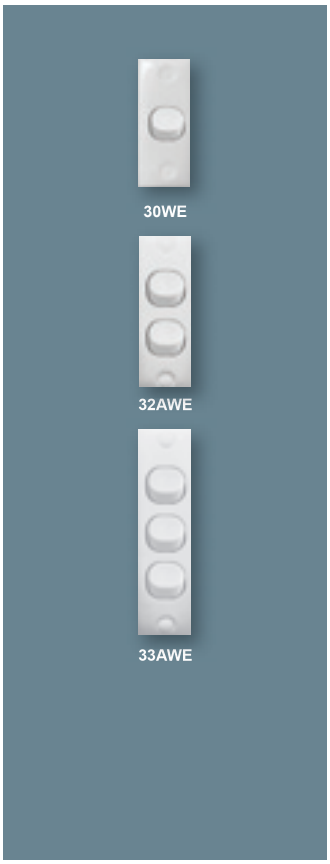
ED32WE
32A DP switch

ED45WE
45A DP switch

ED32NWE
32A DP switch with neon

ED45NWE
45A DP switch with neon

ETDR45NWE
45A 250V DP vertical switch with neon



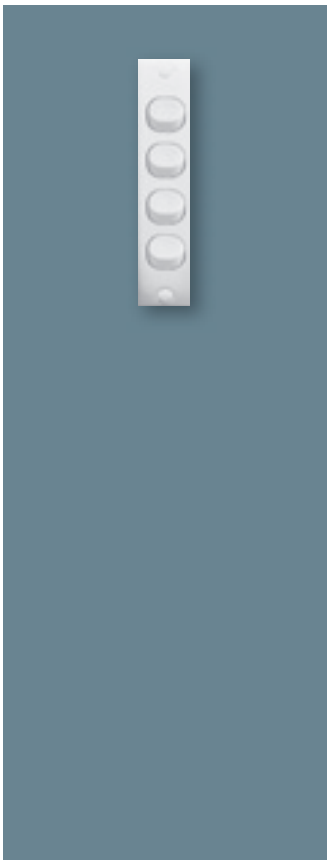
10A ARCHITRAVE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

30WE
10A 1 gang 2 way 4 terminal switch

32AWE
10A 2 gang 2 way 4 terminal switch

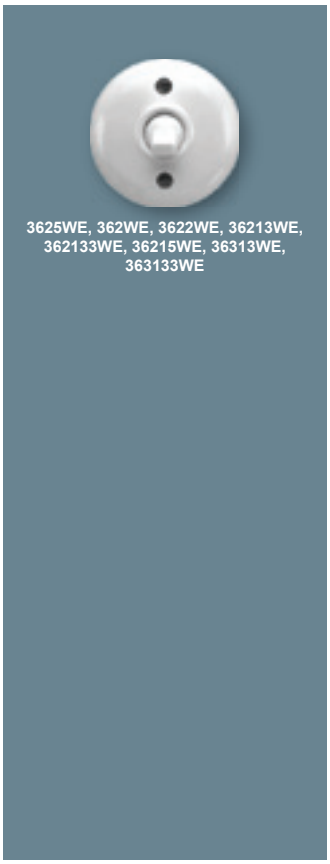
33AWE
10A 3 gang 2 way 4 terminal switch



10A ARCHITRAVE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

34AWE
10A 4 gang 2 way 4 terminal switch



5A, 13A & 15A SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

3625WE
5A 1 way 2 terminal switch

362WE
10A 1way 3 terminal switch

3622WE
10A 1way 2 terminal switch

36213WE
13A 1 way 2 terminal switch

362133WE
13A 1 way 3 terminal switch

36215WE
15A 1way 3 terminal switch

36313WE
13A 2 way 4 terminal switch

363WE
10A 2 way 3 terminal switch white

363BR
10A 2 way 3 terminal switch brown

SPECIAL ORDER
Extended lead times may apply.

CLIPSAL

342WE

360WE

CEILING & FOOT SWITCHES

(Designed to IEC60669-1, MS616, SS227)

342WE
10A 1 way 3 terminal ceiling switch

360WE
DP foot switch - cord line WE

360BK
DP foot switch - cord line BK

E319WE

E31ETR60WE, E31ETRF60WE, E31ETR720WE, E31ETRF720WE

10A & 16A TIME DELAY SWITCHES

(Designed to IEC60669-2-1)

E319WE
10A 1 gang pneumatic time delay switch - adjustable prior to installation

E31ETR60WE
16A 1 gang 1- 60 minutes electronic time delay switch

E31ETRF60WE
16A 1 gang 1- 60 minutes electronic time delay switch for fluorescent loads

E31ETR720WE
16A 1 gang 1-12 hours electronic time delay switch

E31ETRF720WE
16A 1 gang 1-12 hours electronic time delay for fluorescent loads

E30T6AWE

6A TP FAN ISOLATOR

(Designed to IEC60947-3)

E30T6AWE
6A 240V TP fan isolator

E31RD250LVWE

E31RD400WE

E32RD160LVWE

E32RD250WE

ROTARY DIMMERS

E31RD250LVWE
1 gang LV 250W
1 way dimmer

E31RD400WE
1 gang 240V 400W
1 way dimmer

E32RD160LVWE
2 gang LV
2 x 160W 1 way

E32RD250WE
2 gang 240V
2 x 250W 1 way

DIMMER SWITCHES
(Designed to BS5518)

E32E450L
450W 1 gang dimmer

E34E450L
450W 2 gang dimmer

31V1000WE
1000W dimmer (For incandescent lamps only)

SPECIAL ORDER
Extended lead times may apply.

13A SWITCHED SOCKET OUTLETS
(Designed to BS1363, MS589, SS145)

E15WE
13A 1 gang 3 pin switched socket outlet

E15NWE
13A 1 gang 3 pin switched socket outlet with neon

E25WE
13A 2 gang 3 pin switched socket outlet

E25NWE
13A 2 gang 3 pin switched socket outlet with neon

13A SWITCHED *CONVERTA* SOCKET OUTLETS
(Designed to BS1363, MS589, SS145)

E251BPWE
13A 2 into 1 switched socket outlet

E25DF32WE
13A 3 into 2 switched socket outlet

13A SOCKET OUTLETS
(Designed to BS1363, MS589, SS145)

E426WE
13A 1 gang 3 pin socket outlet

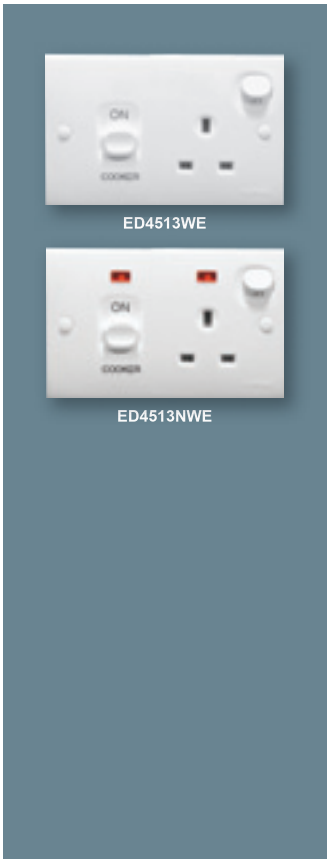
ET426WE
13A 2 gang 3 pin socket outlet

E25SFWE
13A 2 gang 3 pin switched socket outlet with surge protection

E25CESFWE
13A 2 gang clean earth filtered switched socket outlet with surge protection

E25CESFNWE
13A 2 gang clean earth filtered switched socket outlet with surge protection & neon

CLIPSAL



32A & 45A COOKER CONTROL UNITS

(Designed to BS4177, BS1363, MS616, SS227)

ED4513WE
45A DP main switch & 13A switched socket outlet

ED4513NWE
45A DP switch & 13A switched socket outlet with neon indicator

5A & 15A SWITCHED SOCKET OUTLETS

(Designed to BS546)

E155WE
5A 1 gang 3 pin switched socket outlet

E155NWE
5A 1 gang 3 pin switched socket outlet with neon

E1515WE
15A 1 gang 3 pin switched socket outlet

E1515NWE
15A 1 gang 3 pin switched socket outlet with neon

SPECIAL ORDER
Extended lead times may apply.

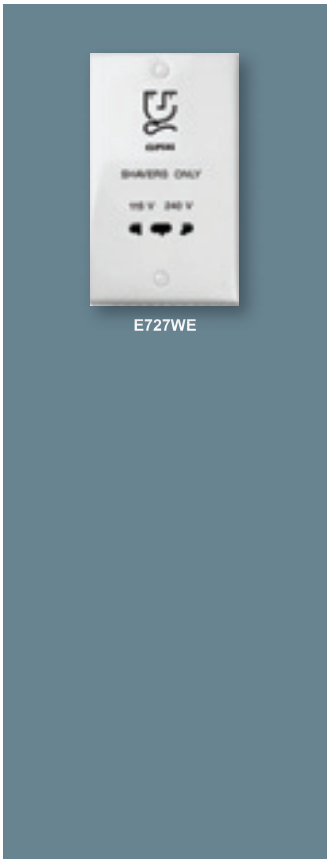
2A, 5A & 15A SOCKET OUTLETS

(Designed to BS546)

E4262WE
2A 1 gang 3 pin socket outlet

E4265WE
5A 1 gang 3 pin socket outlet

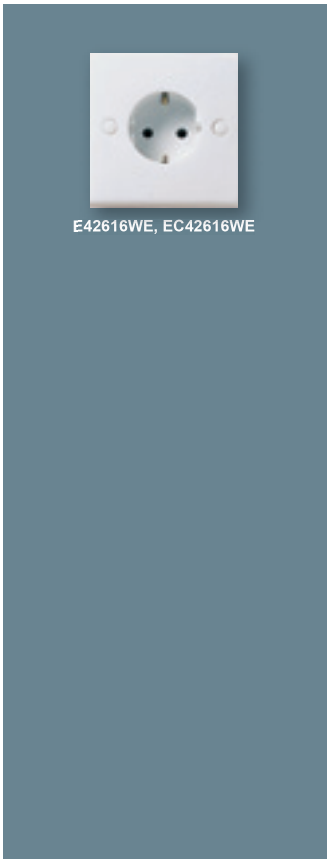
E42615WE
15A 1 gang 3 pin socket outlet



UNIVERSAL SHAVER SOCKET OUTLETS

(Designed to BS3535, IEC61558-2-5)

E727WE
115 240V shaver unit



10A & 16A SCHUKO SOCKET OUTLETS
(Designed to IEC884)

E42616WE
16A 1 gang schuko socket outlet

EC42616WE
16A 1 gang schuko socket outlet with claw fixing

25A & 45A CONNECTION UNITS
(Designed to BS5733)

E31TBWE
25A 1 gang connection unit

E554WE
45A connection unit

13A FUSED CONNECTION UNITS
(Designed to BS1363)

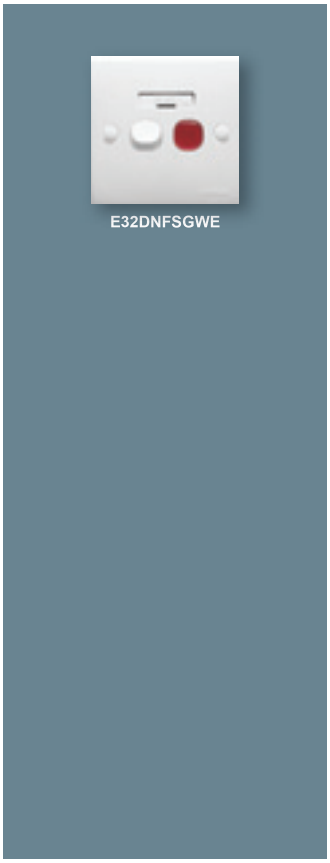
E30FSGWE
13A 1 gang fused connection unit

E31DFSGWE
13A 1 gang fused connection unit with DP switch

E31NFSGWE
13A 1 gang fused connection unit with neon indicator

E30FSGNWE
13A 1 gang fused connection unit with neon indicator

E31TBFSGWE
13A 1 gang fused connection unit with front flexible outlet



13A FUSED CONNECTION UNIT
(Designed to BS1363)

E32DNFSGWE
13A 1 gang fused connection unit with DP switch & neon indicator

CLIPSAL

15A FUSED CONNECTION UNITS

E31DNFSGWE
15A 1 gang DP with neon

E31DFSGMSWE
15A 1 gang DP fused connection unit medium security

E31FSGWE
15A 1 gang blank

E30NFSGSWE
15A 1 gang fused connection unit high security with neon

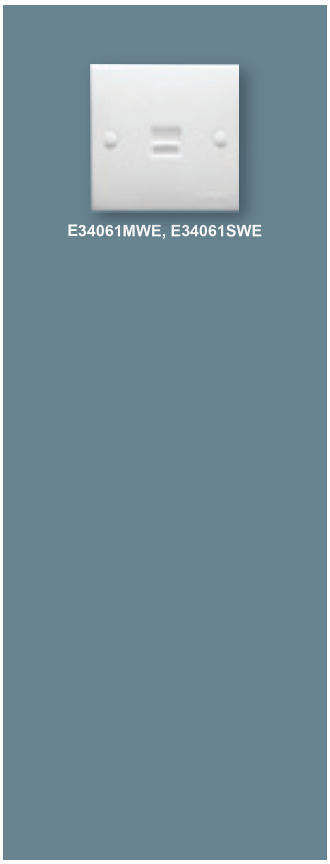
Note:
2 A, 3 A, 5 A fuse link are available on request

TVFM CO-AXIAL OUTLETS

E31TV75WE
1 gang co-axial outlet

E32TV75WE
2 gang co-axial outlet

E32TV75FMWE
2 gang TVFM splitter



TELEPHONE OUTLETS

E34061MWE
1 gang 6 pin (master unit, BT standard) telephone outlet

E34061SWE
1 gang 6 pin (slave unit) telephone outlet

"F" TYPE CONNECTOR

E31TVFWE
1 gang "F" Type connector

E32TVFWE
2 gang "F" Type connector

ET31TVFM11WE
2 gang TVFM SCV socket outlet

HOTEL SERIES
(Designed to BS5733, IEC60669-1)

E31KTWE
20A DP energy saving switch with neon

EKT TRWE
Key tag (without assembling)

Note: Hotel Series are available in Chinese & English text

FLUSH PLATES
(Designed to BS5733)

E31WE
1 gang flush plate

E32WE
2 gang flush plate

E33WE
3 gang flush plate

E34WE
4 gang flush plate

FLUSH PLATES
(Designed to BS5733)

E35WE
5 gang flush plate

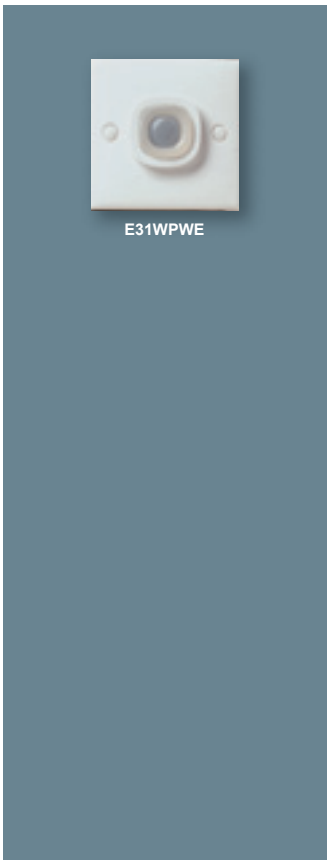
ET36WE
6 gang flush plate

ET31TVFM10WE
2 gang TVFM flush plate

FLUSH PLATES
(Designed to BS5733)

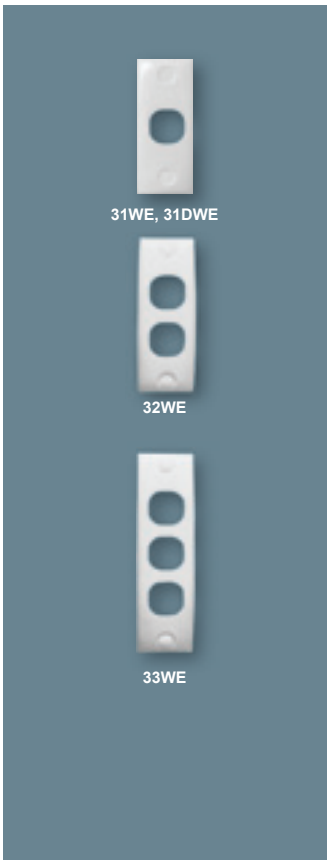
E31XWE
1 gang blank flush plate

E312XWE
2 gang blank flush plate



FLUSH PLATES
(Designed to BS5733, IEC60529)

E31WPWE
1 gang IP54 flush plate



ARCHITRAVE PLATES
(Designed to BS5733)

31WE
1 gang architrave plate

31DWE
1 gang architrave surface plate

32WE
2 gang architrave plate

33WE
3 gang architrave plate

ARCHITRAVE PLATES
(Designed to BS5733)

34WE
4 gang architrave plate

10A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E10311AWE
10A 1 gang 1 way switch

E10312AWE
10A 1 gang 2 way switch

E1031IAWE
10A 1 gang intermediate switch

E10321AWE
10A 2 gang 1 way switch

E10322AWE
10A 2 gang 2 way switch

E10331AWE
10A 3 gang 1 way switch

E10332AWE
10A 3 gang 2 way switch

E10341AWE
10A 4 gang 1 way switch

E10342AWE
10A 4 gang 2 way switch

20A, 32A & 45A DP FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1031D20WE
20A DP switch

E1031D20AEWE
20A DP switch with earth

E1032D20NAWE
20A DP switch with neon

E1032D20NAEWE
20A DP switch with neon & earth

E1031DR32NWE
32A DP switch with neon

E1031DR45NWE
45A DP switch with neon

BELL SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E10311BPRBAWE
2A bell push switch marked with bell symbol

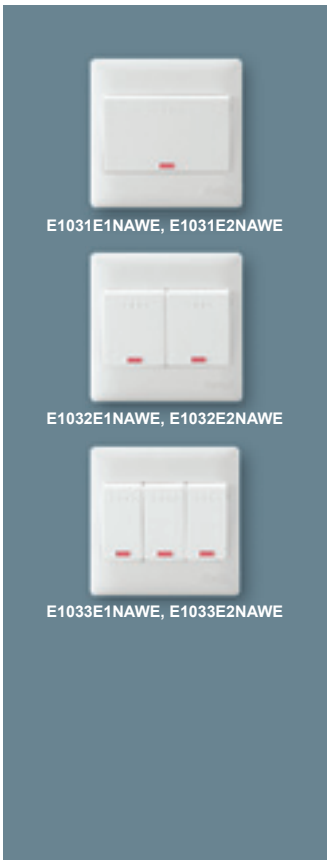
E1031BP2A3WE
3A bell push switch marked with bell symbol

E1031BP2A4WE
4A bell push switch marked with bell symbol

E1031BPAWE
15A bell push switch marked with bell symbol

E10311BPRPAWE
2A bell press switch marked with “PRESS”

E1031BPRAWE
10A change-over press switch marked with “PRESS”



10A ELONGATED DOLLY SWITCHES WITH NEON

(Designed to IEC60669-1, MS616, SS227)

E1031E1NAWE
10A 1 gang 1 way switch

E1031E2NAWE
10A 1 gang 2 way switch

E1032E1NAWE
10A 2 gang I way switch

E1032E2NAWE
10A 2 gang 2 way switch

E1033E1NAWE
10A 3 gang 1 way switch

E1033E2NAWE
10A 3 gang 2 way switch

10A ELONGATED DOLLY SWITCHES WITH LUMINOUS INDICATOR

(Designed to IEC60669-1, MS616, SS227)

E1031E1AWE
10A 1 gang 1 way switch

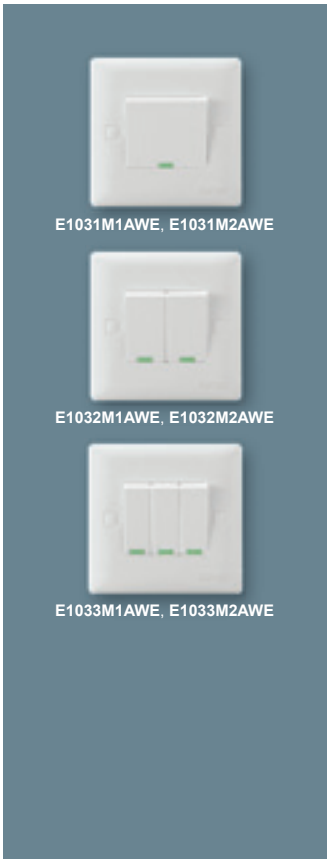
E1031E2AWE
10A 1 gang 2 way switch

E1032E1AWE
10A 2 gang 1 way switch

E1032E2AWE
10A 2 gang 2 way switch

E1033E1AWE
10A 3 gang 1 way switch

E1033E2AWE
10A 3 gang 2 way switch



10A MID DOLLY SWITCHES WITH LUMINOUS INDICATOR

(Designed to IEC60669-1, MS616, SS227)

E1031M1AWE
10A 1 gang 1 way switch

E1031M2AWE
10A 1 gang 2 way switch

E1032M1AWE
10A 2 gang 1 way switch

E1032M2AWE
10A 2 gang 2 way switch

E1033M1AWE
10A 3 gang 1 way switch

E1033M2AWE
10A 3 gang 2 way switch

FAN CONTROL SWITCHES

(Designed to BS5518)

E1031V250FWE
250VA 1 gang fan control

E1032E500F
500VA 1 gang fan control

DIMMER SWITCHES

(Designed to BS5518)

E1031VE400WE
400W 1 gang dimmer
(EMC compliance)

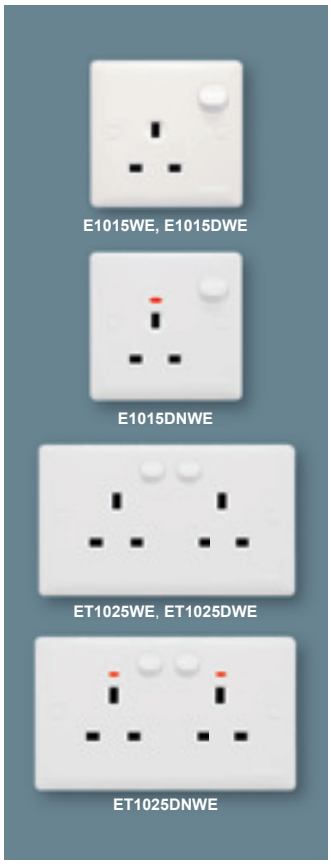
E1031V600WE
600W 1 gang dimmer

E1032V4002KWE
400W 1 gang dimmer with switch

E1032V5002KWE
500W 1 gang dimmer with switch

E1034V4002KWE
400W 2 gang dimmer with switch

E1034V5002KWE
500W 2 gang dimmer with switch



13A SWITCHED SOCKET OUTLETS

(Designed to BS1363, MS589, SS145)

E1015WE
13A 1 gang switched socket outlet

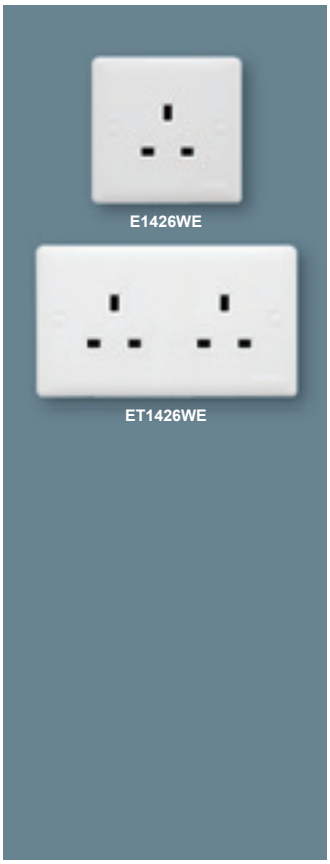
E1015DWE
13A 1 gang DP switched socket outlet

E1015DNWE
13A 1 gang DP switched socket outlet with neon

ET1025WE
13A 2 gang switched socket outlet

ET1025DWE
13A 2 gang DP switched socket outlet

ET1025DNWE
13A 2 gang DP switched socket outlet with neon



13A SOCKET OUTLETS

(Designed to BS1363, MS589, SS145)

E1426WE
13A 1 gang socket outlet

ET1426WE
13A 2 gang socket outlet

5A & 15A SOCKET OUTLETS

(Designed to BS546)

E14265WE
5A 1 gang socket outlet

E142615WE
15A 1 gang socket outlet

CONNECTION UNIT

(Designed to BS5733)

E1031TBWE
25A 3 terminal connection unit

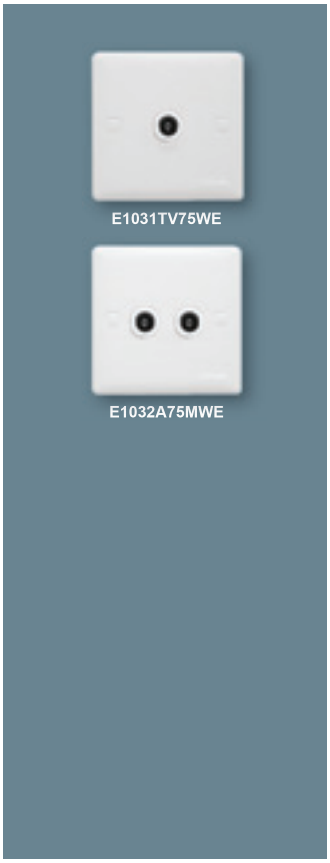
13A FUSED CONNECTION UNITS
(Designed to BS1363)

E1030FSGWE
13A fused connection unit

E1030FSGNWE
13A fused connection unit with neon

E1031DFSGWE
13A DP fused connection unit with switch

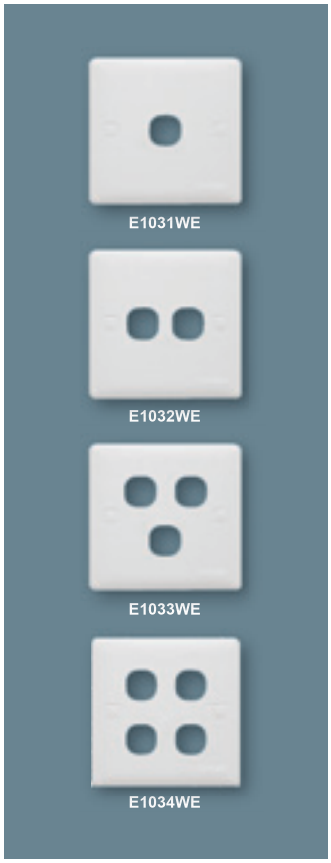
E1031DFSGNWE
13A DP fused connection unit with neon & switch



TELECOMMUNICATION ACCESSORIES

E1031TV75WE
1 gang TV co-axial outlet

E1032A75MWE
2 gang TV co-axial outlet



FLUSH PLATES
(Designed to BS5733)

E1031WE
1 gang flush plate

E1032WE
2 gang flush plate

E1033WE
3 gang flush plate

E1034WE
4 gang flush plate

FLUSH PLATES
(Designed to BS5733)

E1031XWE
1 gang blank plate

ET1031XWE
2 gang blank plate

E20311SAWE, E20312SAWE, E2031IAWE,

10A, 15A & 20A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E20311SAWE
10A 1 gang 1 way 2 terminal switch

E20312SAWE
10A 1 gang 1 way 3 terminal switch

E2031IAWE
10A 1 gang intermediate switch

E20321SAWE, E20322SAWE

10A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E20321SAWE
10A 2 gang 1 way 2 terminal switch

E20322SAWE
10A 2 gang 2 way 3 terminal switch

E203312AWE, E203323AWE

E203412AWE, E203423AWE

10A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E203312AWE
10A 3 gang 1 way 2 terminal switch

E203323AWE
10A 3 gang 2 way 3 terminal switch

E203412AWE
10A 4 gang 1 way 2 terminal switch

E203423AWE
10A 4 gang 2 way 3 terminal switch

ET20361SAWE, ET20362SAWE

ET20381SAWE, ET20382SAWE

10A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

ET20361SAWE
10A 6 gang 1 way 2 terminal switch

ET20362SAWE
10A 6 gang 2 way 3 terminal switch

ET20381SAWE
10A 8 gang 1 way 2 terminal switch

ET20382SAWE
10A 8 gang 2 way 3 terminal switch

E2031D20AWE

E2031D20GNAWE

15A & 20A DP FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E2031D20AWE
20A 1 gang DP switch

E2031D20GNAWE
20A DP switch with neon & bottom outlet

E2031D32WE, E2031D45WE

E2031D32NWE, E2031D45NWE

E2031DR45WE

E2031DR45NWE

32A & 45A DP FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E2031D32WE
32A 1 gang DP switch (Dolly Switch)

E2031D45WE
45A 1 gang DP switch (Dolly Switch)

E2031D32NWE
32A 1 gang DP switch with neon (Dolly Switch)

E2031D45NWE
45A 1 gang DP switch with neon (Dolly Switch)

E2031DR45WE
45A 1 gang DP switch (Rocker Switch)

E2031DR45NWE
45A 1 gang DP switch with neon (Rocker Switch)

ET2031VDR45WE

ET2031VDR45NWE

45A DP FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

ET2031VDR45WE
45A 1 gang DP vertical switch

ET2031VDR45NWE
45A 1 gang DP vertical switch

E2031BP23AWE, E2031BPNAWE

E20311RBPRBAWE

E20311RBPRPAWE

BELL SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E2031BP23AWE
3A bell push switch with bell symbol

E2031BPNAWE
10A 1 gang illuminated bell push

E20311RBPRBAWE
10A 1 gang bell press with bell symbol

E20311RBPRPAWE
10A 1 gang bell press marked “PRESS”

SPECIAL ORDER
Extended lead times may apply.

E234216DWE

16A PULL SWITCH

(Designed to IEC60669-1, MS616, SS227)

E234216DWE
16A 1 gang 1 way DP pull switch

E242610WE
10A 1 gang 1 way DP pull switch

EP20312SAWE, EP2031IAWE

10A FLUSH SWITCHES (PRESTIGE)

(Designed to IEC60669-1, MS616, SS227)

EP20312SAWE
10A 1 gang 2 way 4 terminal switch

EP2031IAWE
10A 1 gang intermediate switch

EA203112AWE, EA203123AWE

EA203212AWE, EA203223AWE

10A ARCHITRAVE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EA203112AWE
10A 1 gang 1 way 2 terminal switch

EA203123AWE
10A 1 gang 2 way 3 terminal switch

EA203212AWE
10A 2 gang 1 way 2 terminal switch

EA203223AWE
10A 2 gang 2 way 3 terminal switch

EA203312AWE, EA203323AWE

E203412AWE, E203423AWE

10A ARCHITRAVE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EA203312AWE
10A 3 gang 1 way 2 terminal switch

EA203323AWE
10A 3 gang 2 way 3 terminal switch

E203412AWE
10A 4 gang 1 way 2 terminal switch

E203423AWE
10A 4 gang 2 way 3 terminal switch

SPECIAL ORDER
Extended lead times may apply.

E2032E500FWE, E2032E500WE

E2034E500FWE, E2034E500WE

500VA FAN CONTROLLERS

(Designed to BS5518)

E2032E500FWE
500VA 1 gang universal fan controller

E2032E500WE
500VA 1 gang ceiling sweep

E2034E500FWE
500VA 2 gang universal fan controller

E2034E500WE
500VA 2 gang ceiling sweep

SPECIAL ORDER
Extended lead times may apply.

E2030T6AWE

240V TP FAN ISOLATOR

(Designed to IEC60947-3)

E2030T6AWE
240V 1 gang TP fan isolator

E2032V500WE

E2034V500WE

E2032V1800WE, E2032V2400WE, E2032V3600WE

LIGHT DIMMERS

(Designed to BS5518)

E2032V500WE
500W 1 gang light dimmer

E2034V500WE
500W 2 gang light dimmer

E2032V1800WE
1800W 1 gang high power dimmer
(EMC compliant)

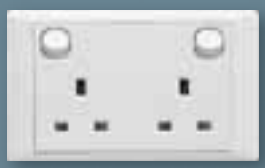
E2032V2400WE
2400W 1 gang high power dimmer
(EMC compliant)

E2032V3600WE
3600W 1 gang high power dimmer
(EMC compliant)

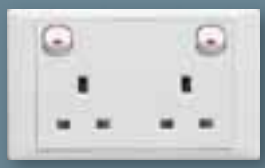
SPECIAL ORDER
Extended lead times may apply.

E2015WE, E2015DWE

E2015NWE



ET2025WE, ET2025DWE, ET2025RCWE



ET2025NWE

13A SWITCHED SOCKET OUTLETS

(Designed to BS1363, MS589. SS145)

E2015WE
13A 1 gang switched socket outlet

E2015DWE
13A 1 gang DP switched socket outlet

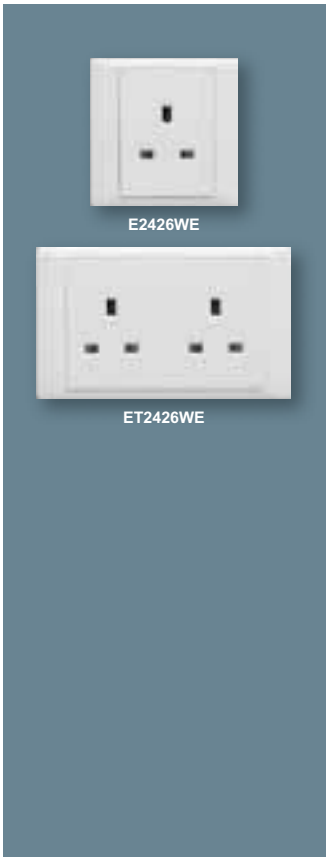
E2015NWE
13A 1 gang switched socket outlet with neon

ET2025WE
13A 2 gang switched socket outlets

ET2025DWE
13A 2 gang DP switched socket outlets

ET2025RCWE
13A 2 gang switched socket outlets with 30mA RCD protection

ET2025NWE
13A 2 gang switched socket outlets with neon

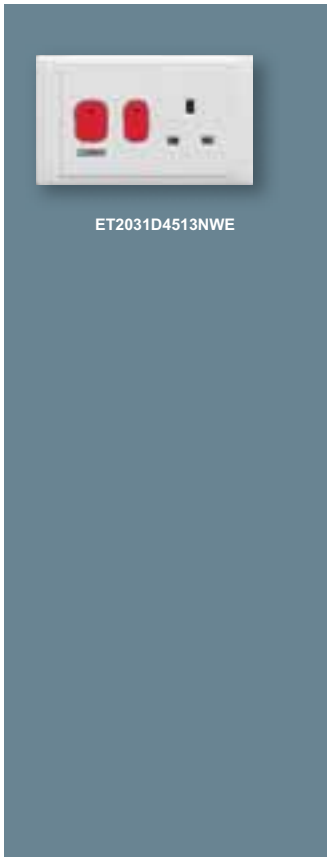


13A SOCKET OUTLETS

(Designed to BS1363, MS589. SS145)

E2426WE
13A 1 gang socket outlet

ET2426WE
13A 2 gang socket outlet



COOKER CONTROL UNIT

(Designed to BS1363, SS145, MS589, BS4177)

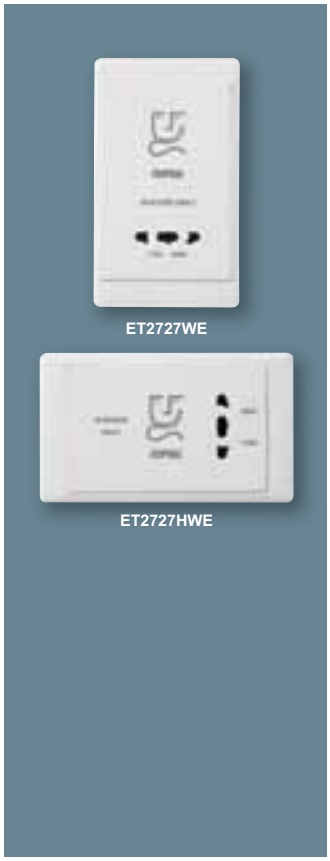
ET2031D4513NWE
45A DP main switch & 13A switched socket outlet with neon

5A & 15A SOCKET OUTLETS

(Designed to BS546, SS472)

E24265WE
5A 1 gang socket outlet

E242615WE
15A 1 gang socket outlet



UNIVERSAL SHAVER SOCKET OUTLETS

(Designed to IEC61558-2-5, BS3535)

ET2727WE
115240V ~ 20VA universal shaver outlet

ET2727HWE
115240V ~ 20VA universal shaver outlet with thermal cut-off

E2426165WE

SCHUKO SOCKET OUTLETS

(Designed to IEC884)

E2426165WE
16A 1 gang schuko socket outlet

E2031TBWE

25A CONNECTION UNIT

(Designed to BS5733)

E2031TBWE
25A 1 gang connection unit with front flexible outlet

E2030FSGWE

E2030FSGNWE

E2031DFSGWE

E2031DFSGNWE

13A FUSED CONNECTION UNITS

(Designed to BS1363)

E2030FSGWE
13A 1 gang fused connection unit

E2030FSGNWE
13A 1 gang fused connection with neon

E2031DFSGWE
13A 1 gang fused connection unit with DP switch

E2031DFSGNWE
13A 1 gang fused connection unit with DP switch & neon

E2030FSGMSWE

E2031DFSGMSWE

13A FUSED CONNECTION UNITS MEDIUM SECURITY LOCK

(Designed to BS1363)

E2030FSGMSWE
13A 1 gang fused connection unit

E2031DFSGMSWE
13A 1 gang fused connection unit with DP switch

E2030FSGSWE

E2030DNFSGSWE

E2031DFSGSWE

E2031DNFSGSWE

13A FUSED CONNECTION UNITS HIGH SECURITY LOCK

(Designed to BS1363)

E2030FSGSWE
13A 1 gang fused connection unit

E2030DNFSGSWE
13A 1 gang fused connection unit with neon

E2031DFSGSWE
13A 1 gang fused connection unit with DP switch

E2031DNFSGSWE
13A 1 gang fused connection unit with DP switch & neon

E24061MWE, E24061SWE

E2406MRJ88WE

TELEPHONE SOCKET OUTLETS

E24061MWE
1 gang 6 pin master unit BT telephone outlet
(Designed to British standard)

E24061SWE
1 gang 6 pin slave unit telephone outlet
(Designed to British standard)

E2406MRJ88WE
Dual telecommunication socket British telecom master & RJ45

E2031TVWE

E2302TVWE

E2032VTVWE

75 OHM TV ANTENNA OUTLETS

E2031TVWE
75 ohm 1 gang TV antenna outlet

E2302TVWE
75 ohm 2 gang TV antenna outlet

E2032VTVWE
75 ohm 2 gang TV antenna outlet

E2032TVFMWE, E2032TVFM2WE

E2032VTVFMWE, E2032VTVFMSWE, E2032VTVFM2WE

75 OHM TVFM CO-AXIAL OUTLETS

E2032TVFMWE
75 ohm 2 gang TVFM splitter

E2032TVFM2WE
75 ohm 2 gang TVFM splitter for multi-outlet system with 2 cord grip

E2032VTVFMWE
75 ohm 2 gang TVFM splitter

E2032VTVFMSWE
75 ohm 2 gang TVFM splitter with screw fixing

E2032VTVFM2WE
75 ohm 2 gang TVFM splitter for multi-outlet system with 2 cord grip

E2031TVFWE

E2032VTVFWE

F-TYPE CONNECTORS

E2031TVFWE
1 gang F-type connector

E2032VTVFWE
1 gang F-type connector

E2031EKTWE

E2031EKTHWE

E2031EKTH-KC

16A CARD KEY SWITCHES

(Designed to IEC60669-2-1)

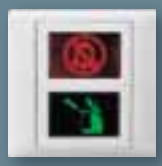
E2031EKTWE
16A 230V 50Hz 1 gang DP card key switch

E2031EKTHWE
16A 230V 50Hz 1 gang DP switch (Suit standard credit card size)

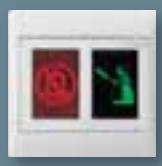
E2031EKT-KC
Card key, only for E2031EKT

E2031BPDWE

E2031BPMWE



E2032VDMWE



E2032DMHWE

10A BELL PRESS MESSAGE INDICATORS

E2031BPDWE
10A 230V 50Hz 1 gang bell press with “DO NOT DISTURB” symbol
(Designed to IEC60669-1)

E2031BPMWE
10A 230V 50Hz 1 gang bell press with “PLEASE CLEAN ROOM” symbol
(Designed to IEC60669-1)

E2032VDMWE
10A 230V 50Hz message indicators with “DO NOT DISTURB” & “PLEASE CLEAN ROOM” symbol (vertical)
(Designed to BS5733)

E2032DMHWE
10A 230V 50Hz message indicators with “DO NOT DISTURB” & “PLEASE CLEAN ROOM” symbol
(Designed to BS5733)

SPECIAL ORDER
Extended lead times may apply.

E2033LBPDMWE

10A BELL PRESS MESSAGE INDICATORS

(Designed to IEC60669-1)

E2033LBPDMWE
10A entrance bell press & message panel

E2031L12AWE, E2031L23AWE, E2031LIAWE

E2032L12A, E2032L23AWE

E2033L12A, E2033L23AWE

10A C-COSMO MEGA FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E2031L12AWE
10A 1 gang 1 way 2 terminal switch

E2031L23AWE
10A 1 gang 2 way 3 terminal switch

E2031LIAWE
10A 1 gang intermediate switch

E2032L12AWE
10A 2 gang 1 way 2 terminal switch

E2032L23AWE
10A 2 gang 2 way 3 terminal switch

E2033L12AWE
10A 3 gang 1 way 2 terminal switch

E2033L23AWE
10A 3 gang 2 way 3 terminal switch

E2031L13NAWE, E2031LNAWE

E2032L13NAWE, E2032LNAWE

10A C-COSMO MEGA FLUSH SWITCHES WITH NEON

(Designed to IEC60669-1, MS616, SS227)

E2031L13NAWE
10A 1 gang 1 way 3 terminal switch with neon

E2031LNAWE
10A 1 gang 2 way 4 terminal switch with neon

E2032L13NAWE
10A 2 gang 1 way 3 terminal switch with neon

E2032LNAWE
10A 2 gang 2 way 4 terminal switch with neon

E2031LBPRAWE

E2032LBPRAWE

10A C-COSMO MEGA BELL PRESS SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E2031LBPRAWE
10A 1 gang bell press with bell symbol

E2032LBPRAWE
10A 2 gang bell press with bell symbol

SPECIAL ORDER
Extended lead times may apply.

E2032L1BPRAWE

E2032L1NBPRAWE

E2032BPRAL1AWE

E2032BPRAL1NAWE

10A C-COSMO MEGA BELL PRESS SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E2032L1BPRAWE
10A 2 gang 1 way 2 terminal switch (L) & bell press with bell symbol (R)

E2032L1NBPRAWE
10A 2 gang 1 way 2 terminal switch with neon (L) & bell press with bell symbol (R)

E2032BPRAL1AWE
10A 2 gang bell press with bell symbol (L) & 1 way 2 terminal switch (R)

E2032BPRAL1NAWE
10A 2 gang bell press with bell symbol (L) & 1 way 2 terminal switch with neon (R)

SPECIAL ORDER
Extended lead times may apply.

E2031LD20NAWE

20A C-COSMO MEGA DP FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E2031LD20NAWE
20A 1 gang DP switch with neon

SPECIAL ORDER
Extended lead times may apply.

E2031LPD600WE

E2032LPD400WE

250V C- COSMO MEGA PRESS DIMMERS

(Designed to BS5518)

E2031LPD600WE
250V 600W 1 gang press dimmer

E2032LPD400WE
250V 400W 2 gang press dimmer

SPECIAL ORDER
Extended lead times may apply.

E2015LWE

E2015LNWE

13A C-COSMO MEGA SWITCHED SOCKET OUTLETS

(Designed to BS1363, MS589, SS145)

E2015LWE
13A 1 gang switched socket outlet

E2015LNWE
13A 1 gang switched socket outlet with neon

SPECIAL ORDER
Extended lead times may apply.

E2031WE

E2032VWE

E2033WE

E2034WE

FLUSH PLATES

(Designed to BS5733)

E2031WE
1 gang flush plate

E2032VWE
2 gang flush plate

E2033WE
3 gang flush plate

E2034WE
4 gang flush plate

FLUSH PLATES
(Designed to BS5733)

ET2036WE
6 gang flush plate

ET2038WE
8 gang flush plate

E2030XWE
1 gang blank plate

ET2030XWE
2 gang blank plate

FLUSH PLATES
(Designed to BS5733)

EA2031WE
1 gang architrave plate

EA2032WE
2 gang architrave plate

EA2033WE
3 gang architrave plate

FLUSH PLATES
(Designed to BS5733)

EA2034WE
4 gang architrave plate

ET2031TVFM10WE
2 gang TVFM cable outlet flash plate

SPECIAL ORDER
Extended lead times may apply.

ARCHITRAVE SURROUNDS
(Designed to BS5733)

EA2000WE
1 gang architrave surround

EA2002WE
2 gang architrave surround

SPECIAL ORDER
Extended lead times may apply.

COLOURED SURROUNDS
(Designed to BS5733)

E2000 WE
White surround

E2000 BK
Black surround

E2000 RD
Red surround

E2000 GY
Grey surround

Note: Surrounds are available in 1 gang (E2000 xxx) & 2 gang (E2000 xxx)

COLOURED SURROUNDS
(Designed to BS5733)

E2000 SG
Soft grey surround

E2000 PB
Polar blue surround

E2000 DO
Magnolia surround

E2000 SH
Silver shadow surround

COLOURED SURROUNDS
(Designed to BS5733)

E2000 MY
Majestic yellow surround

E2000 TQ
Turquoise surround

E2000 BY
Burgundy surround

E2000 BR
Brown surround

COLOURED SURROUNDS
(Designed to BS5733)

E2000 CM
Cream surround

E2000 BG
Beige surround

E2000 DS
Desert sand surround

E2000 NU
Nutmeg surround

COLOURED SURROUNDS
(Designed to BS5733)

E2000 PS
Pale salmon surround

E2000 VI
Vanilla surround

C - GRAPHIC SURROUNDS
(Designed to BS5733)

E2000C MW
Mahogany surround

E2000C BW
Bird's eye surround

E2000C WM
Ajax white marble surround

E2000C GM
Alpine green marble surround

C - GRAPHIC SURROUNDS
(Designed to BS5733)

E2000C CA
Checkers surround

E2000C DA
Dancing rain surround

E2000C PA
Purple dream surround

E2000C UE
Gun metal electroplated surround

C - GRAPHIC SURROUNDS
(Designed to BS5733)

E2000 BA
Brushed aluminium surround

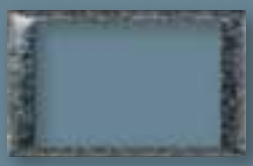
E2000 BB
Brushed brass surround

E2000C GE
Sun gold electroplated surround

E2000C SE
Silver mirror electroplated surround

Note: Surrounds are available in 1 gang (E2000 xxx) & 2 gang (E2000 xxx)

ET2000C RW



ET2000C BM

C - GRAPHIC SURROUNDS

(Designed to BS5733)

ET2000C RW
Red mahogany surround

ET2000C BM
Brazilian black marble surround

E2031L23AS WE, E2031LD20NAS WE

E2032L23AS WE

E2033L23AS WE

CLASSIC SERIES

(Designed to IEC60669-1, MS616, SS227)

White

E2031L23AS WE
10A 1 gang 2 way switch

E2031LD20NAS WE
20A 1 gang DP switch

E2032L23AS WE
10A 2 gang 2 way switch

E2033L23AS WE
10A 3 gang 2 way switch

E2031LBPRAS WE

E2031LPD600S WE

E2032LPD400S WE

CLASSIC SERIES

White

E2031LBPRAS WE
10A 1 gang bell press
(Designed to IEC60669-1, MS616, SS227)

E2031LPD600S WE
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S WE
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS BK, E2031LD20NAS BK

E2032L23AS BK

E2033L23AS BK

CLASSIC SERIES

(Designed to IEC60669-1, MS616, SS227)

Black

E2031L23AS BK
10A 1 gang 2 way switch

E2031LD20NAS BK
20A 1 gang DP switch

E2032L23AS BK
10A 2 gang 2 way switch

E2033L23AS BK
10A 3 gang 2 way switch

E2031LBPRAS BK
10A 1 gang bell press

E2031LPD600S BK
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S BK
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS C1, E2031LD20NAS C1

E2032L23AS C1

E2033L23AS C1

CYBER SERIES

(Designed to IEC60669-1, MS616, SS227)

Smoke

E2031L23AS C1
10A 1 gang 2 way switch

E2031LD20NAS C1
20A 1 gang DP switch

E2032L23AS C1
10A 2 gang 2 way switch

E2033L23AS C1
10A 3 gang 2 way switch

E2031LBPRAS C1
10A 1 gang bell press

E2031LPD600S C1
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S C1
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS C2, E2031LD20NAS C2

E2032L23AS C2

E2033L23AS C2

CYBER SERIES

(Designed to IEC60669-1, MS616, SS227)
Blue

E2031L23AS C2
10A 1 gang 2 way switch

E2031LD20NAS C2
20A 1 gang DP switch

E2032L23AS C2
10A 2 gang 2 way switch

E2033L23AS C2
10A 3 gang 2 way switch

E2031LBPRAS C2
10A 1 gang bell press

E2031LPD600S C2
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S C2
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS C3, E2031LD20NAS C3

E2032L23AS C3

E2033L23AS C3

CYBER SERIES

(Designed to IEC60669-1, MS616, SS227)
Red

E2031L23AS C3
10A 1 gang 2 way switch

E2031LD20NAS C3
20A 1 gang DP switch

E2032L23AS C3
10A 2 gang 2 way switch

E2033L23AS C3
10A 3 gang 2 way switch

E2031LBPRAS C3
10A 1 gang bell press

E2031LPD600S C3
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S C3
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS C4, E2031LD20NAS C4

E2032L23AS C4

E2033L23AS C4

CYBER SERIES

(Designed to IEC60669-1, MS616, SS227)
Green

E2031L23AS C4
10A 1 gang 2 way switch

E2031LD20NAS C4
20A 1 gang DP switch

E2032L23AS C4
10A 2 gang 2 way switch

E2033L23AS C4
10A 3 gang 2 way switch

E2031LBPRAS C4
10A 1 gang bell press

E2031LPD600S C4
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S C4
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS C5, E2031LD20NAS C5

E2032L23AS C5

E2033L23AS C5

CYBER SERIES

(Designed to IEC60669-1, MS616, SS227)
Silver Smoke

E2031L23AS C5
10A 1 gang 2 way switch

E2031LD20NAS C5
20A 1 gang DP switch

E2032L23AS C5
10A 2 gang 2 way switch

E2033L23AS C5
10A 3 gang 2 way switch

E2031LBPRAS C5
10A 1 gang bell press

E2031LPD600S C5
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S C5
2 gang dimmer
(Specifically designed to BS5518)

CYBER SERIES

(Designed to IEC60669-1, MS616, SS227)
Silver Blue

E2031L23AS C6
10A 1 gang 2 way switch

E2031LD20NAS C6
20A 1 gang DP switch

E2032L23AS C6
10A 2 gang 2 way switch

E2033L23AS C6
10A 3 gang 2 way switch

E2031LBPRAS C6
10A 1 gang bell press

E2031LPD600S C6
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S C6
2 gang dimmer
(Specifically designed to BS5518)

CYBER SERIES

(Designed to IEC60669-1, MS616, SS227)
Silver Red

E2031L23AS C7
10A 1 gang 2 way switch

E2031LD20NAS C7
20A 1 gang DP switch

E2032L23AS C7
10A 2 gang 2 way switch

E2033L23AS C7
10A 3 gang 2 way switch

E2031LBPRAS C7
10A 1 gang bell press

E2031LPD600S C7
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S C7
2 gang dimmer
(Specifically designed to BS5518)

CYBER SERIES

(Designed to IEC60669-1, MS616, SS227)
Silver Green

E2031L23AS C8
10A 1 gang 2 way switch

E2031LD20NAS C8
20A 1 gang DP switch

E2032L23AS C8
10A 2 gang 2 way switch

E2033L23AS C8
10A 3 gang 2 way switch

E2031LBPRAS C8
10A 1 gang bell press

E2031LPD600S C8
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S C8
2 gang dimmer
(Specifically designed to BS5518)

PEARL SERIES

(Designed to IEC60669-1, MS616, SS227)
Blue

E2031L23AS P1
10A 1 gang 2 way switch

E2031LD20NAS P1
20A 1 gang DP switch

E2032L23AS P1
10A 2 gang 2 way switch

E2033L23AS P1
10A 3 gang 2 way switch

E2031LBPRAS P1
10A 1 gang bell press

E2031LPD600S P1
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S P1
2 gang dimmer
(Specifically designed to BS5518)

PEARL SERIES

(Designed to IEC60669-1, MS616, SS227)
Red

E2031L23AS P2
10A 1 gang 2 way switch

E2031LD20NAS P2
20A 1 gang DP switch

E2032L23AS P2
10A 2 gang 2 way switch

E2033L23AS P2
10A 3 gang 2 way switch

E2031LBPRAS P2
10A 1 gang bell press

E2031LPD600S P2
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S P2
2 gang dimmer
(Specifically designed to BS5518)

PEARL SERIES

(Designed to IEC60669-1, MS616, SS227)
Green

E2031L23AS P3
10A 1 gang 2 way switch

E2031LD20NAS P3
20A 1 gang DP switch

E2032L23AS P3
10A 2 gang 2 way switch

E2033L23AS P3
10A 3 gang 2 way switch

E2031LBPRAS P3
10A 1 gang bell press

E2031LPD600S P3
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S P3
2 gang dimmer
(Specifically designed to BS5518)

DECO SERIES

(Designed to IEC60669-1, MS616, SS227)
Champagne

E2031L23AS D1
10A 1 gang 2 way switch

E2031LD20NAS D1
20A 1 gang DP switch

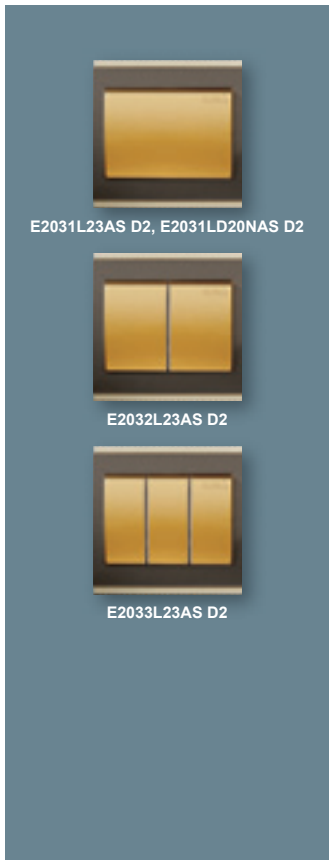
E2032L23AS D1
10A 2 gang 2 way switch

E2033L23AS D1
10A 3 gang 2 way switch

E2031LBPRAS D1
10A 1 gang bell press

E2031LPD600S D1
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S D1
2 gang dimmer
(Specifically designed to BS5518)



DECO SERIES

(Designed to IEC60669-1, MS616, SS227)
Gold

E2031L23AS D2
10A 1 gang 2 way switch

E2031LD20NAS D2
20A 1 gang DP switch

E2032L23AS D2
10A 2 gang 2 way switch

E2033L23AS D2
10A 3 gang 2 way switch

E2031LBPRAS D2
10A 1 gang bell press

E2031LPD600S D2
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S D2
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS D3, E2031LD30NAS D3

E2032L23AS D3

E2033L23AS D3

DECO SERIES

(Designed to IEC60669-1, MS616, SS227)
Silver

E2031L23AS D3
10A 1 gang 2 way switch

E2031LD30NAS D3
20A 1 gang DP switch

E2032L23AS D3
10A 2 gang 2 way switch

E2033L23AS D3
10A 3 gang 2 way switch

E2031LBPRAS D3
10A 1 gang bell press

E2031LPD600S D3
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S D3
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS D4, E2031LD40NAS D4

E2032L23AS D4

E2033L23AS D4

DECO SERIES

(Designed to IEC60669-1, MS616, SS227)
Champagne Gun Metal

E2031L23AS D4
10A 1 gang 2 way switch

E2031LD40NAS D4
20A 1 gang DP switch

E2032L23AS D4
10A 2 gang 2 way switch

E2033L23AS D4
10A 3 gang 2 way switch

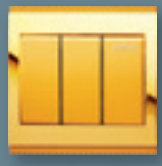
E2031LBPRAS D4
10A 1 gang bell press

E2031LPD600S D4
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S D4
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS L1, E2031LD20NAS L1

E2032L23AS L1



E2033L23AS L1

LUXOR SERIES

(Designed to IEC60669-1, MS616, SS227)
Shadow Gold

E2031L23AS L1
10A 1 gang 2 way switch

E2031LD20NAS L1
20A 1 gang DP switch

E2032L23AS L1
10A 2 gang 2 way switch

E2033L23AS L1
10A 3 gang 2 way switch

E2031LBPRAS L1
10A 1 gang bell press

E2031LPD400S L1
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S L1
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS L2, E2031LD20NAS L2

E2032L23AS L2

E2033L23AS L2

LUXOR SERIES

(Designed to IEC60669-1, MS616, SS227)
Shadow Silver

E2031L23AS L2
10A 1 gang 2 way switch

E2031LD20NAS L2
20A 1 gang DP switch

E2032L23AS L2
10A 2 gang 2 way switch

E2033L23AS L2
10A 3 gang 2 way switch

E2031LBPRAS L2
10A 1 gang bell press

E2031LPD600S L2
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S L2
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS L3, E2031LD20NAS L3

E2032L23AS L3

E2033L23AS L3

LUXOR SERIES

(Designed to IEC60669-1, MS616, SS227)
Black Diamond

E2031L23AS L3
10A 1 gang 2 way switch

E2031LD20NAS L3
20A 1 gang DP switch

E2032L23AS L3
10A 2 gang 2 way switch

E2033L23AS L3
10A 3 gang 2 way switch

E2031LBPRAS L3
10A 1 gang bell press

E2031LPD600S L3
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S L3
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS L4, E2031LD20NAS L4

E2032L23AS L4

E2033L23AS L4

LUXOR SERIES

(Designed to IEC60669-1, MS616, SS227)
Sun Gold

E2031L23AS L4
10A 1 gang 2 way switch

E2031LD20NAS L4
20A 1 gang DP switch

E2032L23AS L4
10A 2 gang 2 way switch

E2033L23AS L4
10A 3 gang 2 way switch

E2031LBPRAS L4
10A 1 gang bell press

E2031LPD600S L4
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S L4
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS L5, E2031LD20NAS L5

E2032L23AS L5

E2033L23AS L5

LUXOR SERIES

(Designed to IEC60669-1, MS616, SS227)
Sun Silver

E2031L23AS L5
10A 1 gang 2 way switch

E2031LD20NAS L5
20A 1 gang DP switch

E2032L23AS L5
10A 2 gang 2 way switch

E2033L23AS L5
10A 3 gang 2 way switch

E2031LBPRAS L5
10A 1 gang bell press

E2031LPD600S L5
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S L5
2 gang dimmer
(Specifically designed to BS5518)

E2031L23AS L6, E2031LD20NAS L6

E2032L23AS L6

E2033L23AS L6

LUXOR SERIES

(Designed to IEC60669-1, MS616, SS227)
Sun Silver Gold

E2031L23AS L6
10A 1 gang 2 way switch

E2031LD20NAS L6
20A 1 gang DP switch

E2032L23AS L6
10A 2 gang 2 way switch

E2033L23AS L6
10A 3 gang 2 way switch

E2031LBPRAS L6
10A 1 gang bell press

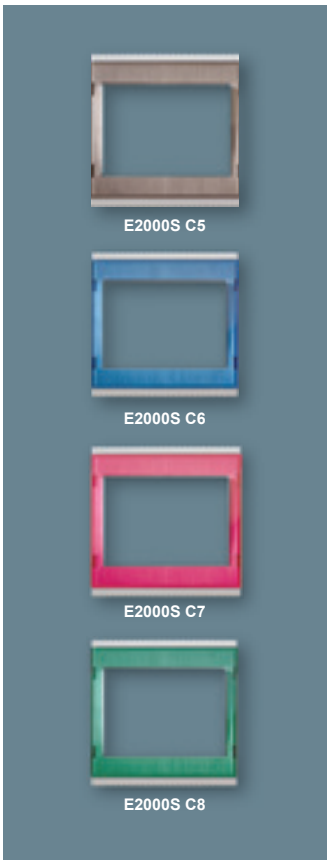
E2031LPD600S L6
1 gang dimmer
(Specifically designed to BS5518)

E2032LPD400S L6
2 gang dimmer
(Specifically designed to BS5518)

CLASSIC SERIES SURROUNDS
(Designed to BS5733)

E2000S WE
White surround

E2000S BK
Black surround



CYBER SERIES SURROUNDS
(Designed to BS5733)

E2000S C5
Silver smoke surround

E2000S C6
Silver blue surround

E2000S C7
Silver red surround

E2000S C8
Silver green surround

PEARL SERIES SURROUNDS
(Designed to BS5733)

E2000S P1
Blue surround

E2000S P2
Red surround

E2000S P3
Green surround

DECO SERIES SURROUNDS
(Designed to BS5733)

E2000S D1
Champagne surround

E2000S D3
Silver surround

E2000S D4
Champagne gun metal surround

Note: C-Spectra surrounds are also applicable to C-Cosmo Switches, Socket Outlets & Accessories

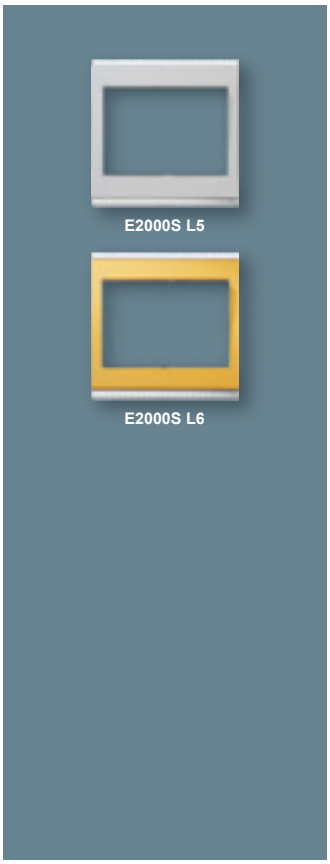
LUXOR SERIES SURROUNDS
(Designed to BS5733)

E2000S L1
Shadow gold surround

E2000S L2
Shadow silver surround

E2000S L3
Black diamond surround

E2000S L4
Sun gold surround



LUXOR SERIES SURROUNDS
(Designed to BS5733)

E2000S L5
Sun silver surround

E2000S L6
Sun silver gold surround

Note: C-Spectra surrounds are also applicable to C-Cosmo Switches, Socket Outlets & Accessories

CLIPSAL

E3031H1 EBGS

E3032H1 EBGS

E3033H1 EBGS

E3034H1 EBGS

FLUSH SWITCHES WITH LED

E3031H1 EBGS or EWWW
10A 1 gang 1 way switch

E3031H2 EBGS or EWWW
10A 1 gang 2 way switch

E3032H1 EBGS or EWWW
10A 2 gang 1 way switch

E3032H2 EBGS or EWWW
10A 2 gang 2 way switch

E3033H1 EBGS or EWWW
10A 3 gang 1 way switch

E3033H2 EBGS or EWWW
10A 3 gang 2 way switch

E3034H1 EBGS or EWWW
10A 4 gang 1 way switch

E3034H2 EBGS or EWWW
10A 4 gang 2 way switch

E3031H1 FWWW

E3032H1 FWWW

E3033H1 FWWW

E3034H1 FWWW

WHITE FLUSH SWITCHES WITH FLUORESCENT INDICATOR

E3031H1 FWWW
10A 1 gang 1 way switch

E3031H2 FWWW
10A 1 gang 2 way switch

E3032H1 FWWW
10A 2 gang 1 way switch

E3032H2 FWWW
10A 2 gang 2 way switch

E3033H1 FWWW
10A 3 gang 1 way switch

E3033H2 FWWW
10A 3 gang 2 way switch

E3034H1 FWWW
10A 4 gang 1 way switch

E3034H2 FWWW
10A 4 gang 2 way switch

E3031HBP GS

E3031HBP WW

BELL PUSH BUTTON SWITCHES

E3031HBP GS or WW
4A bell push marked with bell symbol

E3031HD20 EBGS

E3031HD20 EWWW

DOUBLE POLE SWITCHES WITH LED

E3031HD20 EBGS or EWWW
20A double pole flush switch

E3031DR32 GS

E3031DR 45 WW

E3031DR32 EBGS

E3031DR45 EWWW

APPLIANCE SWITCHES WITH/WITHOUT LED

E3031DR32 GS or WW
32A double pole switch without LED

E3031DR45 GS or WW
45A double pole switch without LED

E3031DR32 EBGS or EWWW
32A double pole switch with LED

E3031DR45 EBGS or EWWW
45A double pole switch with LED

E3031TB GS

E3031TB WW

CONNECTION UNIT

E3031TB GS or WW
25A connection unit

E3426 GS

E3015 WW

FLUSH SINGLE SOCKET OUTLETS

E3426 GS or WW
13A 3 pin socket outlet

E3015 GS or WW
13A 3 pin switched socket outlet

E3015D EBGS or EWWW
13A 3 pin switched socket outlet with LED

ET3426 GS

ET3025 WW

FLUSH TWIN SOCKET OUTLETS

ET3426 GS or WW
13A twin 3 pin socket outlet

ET3025 GS or WW
13A twin 3 pin switched socket outlet

ET3025D EBGS or EWWW
13A twin 3 pin switched socket outlet with LED

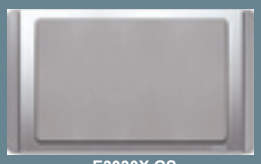
E3031TV GS

E3032VTV WW

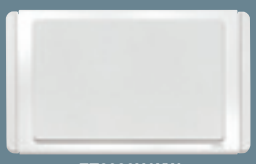
TV/FM CO-AXIAL OUTLETS

E3031TV GS or WW
1 gang TV socket outlet

E3032VTV GS or WW
2 gang vertical TV socket outlet



E3030X GS



ET3030X WW

FLUSH PLATES

E3030X GS or WW
1 gang blank plate

ET3030X GS or WW
2 gang blank plate

EGGH3112A, EGGH3123A, EGGH31IA, EGGH3115A

EGGM3112A, EGGM3123A, EGGM31IA, EGGM3120A

10A, 15A & 20A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGGH3112A
10A 1 gang 1 way gold hairline switch

EGGH3123A
10A 1 gang 2 way gold hairline switch

EGGH31IA
10A 1 gang intermediate gold hairline switch

EGGH3115A
15A 1 gang 2 way gold hairline switch

EGGM3112A
10A 1 gang 1 way gold mirror switch

EGGM3123A
10A 1 gang 2 way gold mirror switch

EGGM31IA
10A 1 gang intermediate gold mirror switch

EGGM3120A
20A 1 gang 2 way gold mirror switch

EGSH3112A, EGSH3123A, EGSH31IA

EGSM3112A, EGSM3123A, EGSM31IA

10A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGSH3112A
10A 1 gang 1 way stainless steel hairline switch

EGSH3123A
10A 1 gang 2 way stainless steel hairline switch

EGSH31IA
10A 1 gang intermediate stainless steel hairline switch

EGSM3112A
10A 1 gang 1 way stainless steel mirror switch

EGSM3123A
10A 1 gang 2 way stainless steel mirror switch

EGSM31IA
10A 1 gang intermediate stainless steel mirror switch

EGGH3212A, EGGH3223A

EGGM3212A, EGGM3223A

10A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGGH3212A
10A 2 gang 1 way gold hairline switch

EGGH3223A
10A 2 gang 2 way gold hairline switch

EGGM3212A
10A 2 gang 1 way gold mirror switch

EGGM3223A
10A 2 gang 2 way gold mirror switch

EGSH3212A, EGSH3223A, EGSH3215A

EGSM3212A, EGSM3223A, EGSM3220A

10A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGSH3212A
10A 2 gang 1 way stainless steel hairline switch

EGSH3223A
10A 2 gang 2 way stainless steel hairline switch

EGSH3215A
15A 2 gang 2 way stainless steel hairline switch

EGSM3212A
10A 2 gang 1 way stainless steel mirror switch

EGSM3223A
10A 2 gang 2 way stainless steel mirror switch

EGSM3220A
20A 2 gang 2 way stainless steel mirror switch

EGGH3312A, EGGH3323A, EGGH3315A

EGGM3312A, EGGM3323A, EGGM3320A

10A, 15A & 20A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGGH3312A
10A 3 gang 1 way gold hairline switch

EGGH3323A
10A 3 gang 2 way gold hairline switch

EGGH3315A
15A 3 gang 2 way gold hairline switch

EGGM3312A
10A 3 gang 1 way gold mirror switch

EGGM3323A
10A 3 gang 2 way gold mirror switch

EGGM3320A
20A 3 gang 2 way gold mirror switch

EGSH3312A, EGSH3323A

EGSM3312A, EGSM3323A

10A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGSH3312A
10A 3 gang 1 way stainless steel hairline switch

EGSH3323A
10A 3 gang 2 way stainless steel hairline switch

EGSM3312A
10A 3 gang 1 way stainless steel mirror switch

EGSM3323A
10A 3 gang 2 way stainless steel mirror switch

EGGH3412A, EGGH3423A, EGGH3415A

EGGM3412A, EGGM3423A, EGGM3420A

10A, 15A & 20A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGGH3412A
10A 4 gang 1 way gold hairline switch

EGGH3423A
10A 4 gang 2 way gold hairline switch

EGGH3415A
15A 4 gang 2 way gold hairline switch

EGGM3412A
10A 4 gang 1 way gold mirror switch

EGGM3423A
10A 4 gang 2 way gold mirror switch

EGGM3420A
20A 4 gang 2 way gold mirror switch

EGSH3412A, EGSH3423A

EGSM3412A, EGSM3423A

10A FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGSH3412A
10A 4 gang 1 way stainless steel hairline switch

EGSH3423A
10A 4 gang 2 way stainless steel hairline switch

EGSM3412A
10A 4 gang 1 way stainless steel mirror switch

EGSM3423A
10A 4 gang 2 way stainless steel mirror switch

20A DP FLUSH SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGGH31D20A
20A 1 gang DP gold hairline switch

EGGM31D20A
20A 1 gang DP gold mirror switch

EGSH31D20A
20A 1 gang DP stainless steel hairline switch

EGSM31D20A
20A 1 gang DP stainless steel mirror switch

20A DP FLUSH SWITCHES WITH NEON

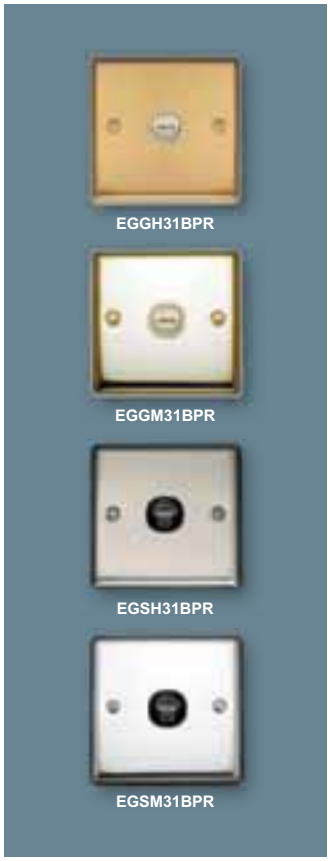
(Designed to IEC60669-1, MS616, SS227)

EGGH32D20NA
20A 1 gang DP gold hairline with neon switch

EGGM32D20NA
20A 1 gang DP gold mirror switch with neon

EGSH32D20NA
20A 1 gang DP stainless steel hairline switch with neon

EGSM32D20NA
20A 1 gang DP stainless steel mirror switch with neon



BELL SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGGH31BPR
10A gold hairline change-over contact marked “PRESS”

EGGM31BPR
10A gold mirror change-over contact marked “PRESS”

EGSH31BPR
10A stainless steel hairline change-over contact marked “PRESS”

EGSM31BPR
10A stainless steel mirror change-over contact marked “PRESS”

BELL SWITCHES

(Designed to IEC60669-1, MS616, SS227)

EGGH31BPA
1 gang gold hairline with bell symbol

EGGM31BPA
1 gang gold mirror with bell symbol

EGSH31BPA
1 gang stainless steel hairline with bell symbol

EGSM31BPA
1 gang stainless steel mirror with bell symbol

FAN CONTROL SWITCHES

(Designed to BS5518)

EGGH32V400F
400VA gold hairline fan control regulator

EGGM32V400F
400VA gold mirror fan control regulator

EGSH32V400F
400VA stainless steel hairline fan control regulator

EGSH32V400
400VA 1 stainless steel hairline ceiling sweep

EGSM32V400F
400VA stainless steel mirror fan control regulator

DIMMER SWITCHES

(Designed to BS5518)

EGGH32V500
500W gold hairline dimmer
(For incandescent lamps only)

EGGM32V500
500W gold mirror dimmer
(For incandescent lamps only)

EGSH32V500
500W stainless steel hairline dimmer
(For incandescent lamps only)

EGSM32V500
500W stainless steel mirror dimmer
(For incandescent lamps only)

13A SWITCHED SOCKET OUTLETS

(Designed to BS1363, MS589, SS145)

EGGH15
13A 1 gang 3 pin gold hairline switched socket outlet

EGGM15
13A 1 gang 3 pin gold mirror switched socket outlet

EGSH15
13A 1 gang 3 pin stainless steel hairline switched socket outlet

EGSM15
13A 1 gang 3 pin stainless steel mirror switched socket outlet

13A SWITCHED SOCKET OUTLETS WITH NEON

(Designed to BS1363, MS589, SS145)

EGGH15N
13A 1 gang 3 pin gold hairline switched outlet with neon

EGGM15N
13A 1 gang 3 pin gold mirror switched socket outlet with neon

EGSH15N
13A 1 gang 3 pin stainless steel hairline switched socket outlet with neon

EGSM15N
13A 1 gang 3 pin stainless steel mirror switched socket outlet with neon

13A SWITCHED SOCKET OUTLETS

(Designed to BS1363, MS589, SS145)

EGGH25
13A 2 gang 3 pin gold hairline switched socket outlet

EGGM25
13A 2 gang 3 pin gold mirror switched socket outlet

EGSH25
13A 2 gang 3 pin stainless steel hairline switched socket outlet

EGSM25
13A 2 gang 3 pin stainless steel mirror switched socket outlet

13A SWITCHED SOCKET OUTLETS WITH NEON

(Designed to BS1363, MS589, SS145)

EGGH25N
13A 2 gang 3 pin gold hairline switched socket outlet with neon

EGGM25N
13A 2 gang 3 pin gold mirror switched socket outlet with neon

EGSH25N
13A 2 gang 3 pin stainless steel hairline switched socket outlet with neon

EGSM25N
13A 2 gang 3 pin stainless steel mirror switched socket outlet with neon

15A SWITCHED SOCKET OUTLETS

(Designed to BS546, SS472)

EGGH1515
15A 1 gang 3 pin gold hairline switched socket outlet

EGGM1515
15A 1 gang 3 pin gold mirror switched socket outlet

EGSH1515
15A 1gang 3 pin stainless steel hairline switched socket outlet

EGSM1515
15A 1 gang 3 pin stainless steel mirror switched socket outlet

15A SWITCHED SOCKET OUTLETS WITH NEON

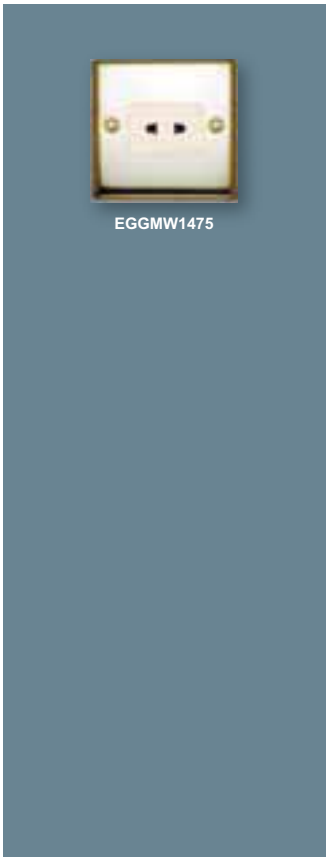
(Designed to BS546, SS472)

EGGH1515N
15A 1 gang 3 pin gold hairline switched socket outlet with neon

EGGM1515N
15A 1 gang 3 pin gold mirror switched socket outlet with neon

EGSH1515N
15A 1 gang 3 pin stainless steel hairline switched socket outlet with neon

EGSM1515N
15A 1 gang 3 pin stainless steel mirror switched socket outlet with neon



10A UNIVERSAL SOCKET OUTLET

(Designed to IEC884)

EGGMW1475
10A 1 gang gold mirror socket outlet

** Available in other finishes:*
gold hairline
- EGGHW1475,
stainless steel hairline
- EGSHW1475,
stainless steel mirror
- EGSMW1475.

25A CONNECTION UNITS

(Designed to BS5733)

EGGH31TBA
25A gold hairline connection unit

EGGM31TBA
25A gold mirror connection unit

EGSH31TBA
15A stainless steel hairline connection unit

EGSM31TBA
15A stainless steel mirror connection unit

13A FUSED CONNECTION UNITS

(Designed to BS1363)

EGGH31FSA
13A 1 gang gold hairline fused connection unit

EGGM31FSA
13A 1 gang gold mirror fused connection unit

EGSH31FSA
13A 1 gang stainless steel hairline fused connection unit

EGSM31FSA
13A 1 gang stainless steel mirror fused connection unit

13A FUSED CONNECTION UNITS WITH DP SWITCH

(Designed to BS1363)

EGGH32D15FS
13A 2 gang gold hairline fused connection unit with DP switch

EGGM32D15FS
13A 2 gang gold mirror fused connection unit with DP switch

EGSH32D15FS
13A 2 gang stainless steel hairline fused connection unit with DP switch

EGSM32D15FS
13A 2 gang stainless steel mirror fused connection unit with DP switch

13A FUSED CONNECTION UNITS WITH DP SWITCH & NEON

(Designed to BS1363)

EGGH33D15NFS
13A 2 gang gold hairline fused connection unit with DP switch & neon

EGGM33D15NFS
13A 2 gang gold mirror fused connection unit with DP switch & neon

EGSH33D15NFS
13A 2 gang stainless steel hairline fused connection unit with DP switch & neon

EGSM33D15NFS
13A 2 gang stainless steel mirror fused connection unit with DP switch & neon

13A FUSED CONNECTION UNITS WITH CABLE OUTLET

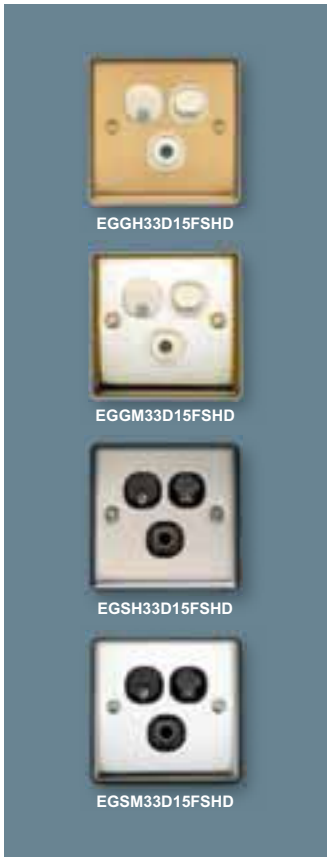
(Designed to BS1363)

EGGH32FSHD
13A 1 gang gold hairline fused connection unit with cable outlet

EGGM32FSHD
13A 1 gang gold mirror fused connection unit with cable outlet

EGSH32FSHD
13A 1 gang stainless steel hairline fused connection unit with cable outlet

EGSM32FSHD
13A 1 gang stainless steel mirror fused connection unit with cable outlet



13A DP FUSED CONNECTION UNITS WITH DP SWITCH & CABLE OUTLET

(Designed to BS1363)

EGGH33D15FSHD
13A 2 gang gold hairline fused connection unit with DP switch & cable outlet

EGGM33D15FSHD
13A 2 gang gold mirror fused connection unit with DP switch & cable outlet

EGSH33D15FSHD
13A 2 gang stainless steel hairline fused connection unit with DP switch & cable outlet

EGSM33D15FSHD
13A 2 gang stainless steel mirror fused connection unit with DP switch & cable outlet

13A DP FUSED CONNECTION UNITS WITH DP SWITCH, NEON & CABLE OUTLET

(Designed to BS1363)

EGGH34D15FSHD
13A 2 gang gold hairline fused connection unit with DP switch, neon & cable outlet

EGGM34D15FSHD
13A 2 gang gold mirror fused connection with DP switch, neon & cable outlet

EGSH34D15FSHD
13A 2 gang stainless steel hairline fused connection unit with DP switch, neon & cable outlet

EGSM34D15FSHD
13A 2 gang stainless steel mirror fused connection unit with DP switch, neon & cable outlet

EGGM32D15FS

EGSM33D15NFS

15A DP FUSED CONNECTION UNITS

EGGM32D15FS
15A 2 gang gold mirror DP fused connection unit with switch

EGSM33D15NFS
15A 3 gang stainless steel mirror DP fused connection unit with switch & neon

** Available in following finishes:*
gold hairline
- EGGHXXXX,
gold mirror
- EGGMXXXX,
stainless steel hairline
- EGSHXXXX,
stainless steel mirror
- EGSMXXXX.

EGGH31TV75

EGGM31TV75

EGSH31TV75

EGSM31TV75

75 OHM TV CO-AXIAL OUTLETS

EGGH31TV75
75 ohm 1 gang gold hairline TV co-axial outlet

EGGM31TV75
75 ohm 1 gang gold mirror TV co-axial outlet

EGSH31TV75
75 ohm 1 gang stainless steel hairline TV co- axial outlet

EGSM31TV75
75 ohm 1 gang stainless steel mirror TV co-axial outlet

EGGH32TV75

EGGM32TV75

EGSH32TV75

EGSM32TV75

75 OHM TV CO-AXIAL OUTLETS

EGGH32TV75
75 ohm 2 gang gold hairline TVFM co-axial outlet

EGGM32TV75
75 ohm 2 gang gold mirror TVFM co-axial outlet

EGSH32TV75
75 ohm 2 gang stainless steel hairline TVFM co-axial outlet

EGSM32TV75
75 ohm 2 gang stainless steel mirror TVFM co-axial outlet

EGGH31RJ66, EGGH31RJ88

EGGM31RJ66, EGGM31RJ88

EGSH31RJ66, EGSH31RJ88

EGSM31RJ66, EGSM31RJ88

TELEPHONE SOCKET OUTLETS

EGGH31RJ66
1 gang 6 wire gold hairline telephone socket outlet

EGGH31RJ88
1 gang 8 wire gold hairline telephone socket outlet

EGGM31RJ66
1 gang 6 wire gold mirror telephone socket outlet

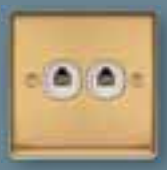
EGGM31RJ88
1 gang 8 wire gold mirror telephone socket outlet

EGSH31RJ66
1 gang 6 wire stainless steel hairline telephone socket outlet

EGSH31RJ88
1 gang 8 wire stainless steel hairline telephone socket outlet

EGSM31RJ66
1 gang 6 wire stainless steel mirror telephone socket outlet

EGSM31RJ88
1 gang 8 wire stainless steel mirror telephone socket outlet



EGGH32RJ66, EGGH32RJ88

EGGM32RJ66, EGGM32RJ88

EGSH32RJ66, EGSH32RJ88

EGSM32RJ66, EGSM32RJ88

TELEPHONE SOCKET OUTLETS

EGGH32RJ66
2 gang 6 wire gold hairline telephone socket outlet

EGGH32RJ88
2 gang 8 wire gold hairline telephone socket outlet

EGGM32RJ66
2 gang 6 wire gold mirror telephone socket outlet

EGGM32RJ88
2 gang 8 wire gold mirror telephone socket outlet

EGSH32RJ66
2 gang 6 wire stainless steel hairline telephone socket outlet

EGSH32RJ88
2 gang 8 wire stainless steel hairline telephone socket outlet

EGSM32RJ66
2 gang 6 wire stainless steel mirror telephone socket outlet

EGSM32RJ88
2 gang 8 wire stainless steel mirror telephone socket outlet

EGGHW1417

EGGMW1417

EGSHW1417

EGSHW1417

TELEPHONE SOCKET OUTLETS
(Designed to British Standard)

EGGHW1417
1 gang 6 pin (BT) gold hairline master unit telephone socket outlet with shutter

EGGMW1417
1 gang 6 pin (BT) gold mirror master unit telephone socket outlet with shutter

EGSHW1417
1 gang 6 pin (BT) stainless steel hairline master unit telephone socket outlet with shutter

EGSHW1417
1 gang 6 pin (BT) stainless steel mirror master unit telephone socket outlet with shutter

EGGHW1438

TELEPHONE SOCKET OUTLET

EGGHW1438
1 gang gold hairline telephone socket outlet with shutter

EGGHH4M

EGGMH4MV

HOTEL MESSAGE INDICATOR
(Designed to IEC60669-1)

EGGHH4M
2 gang “DO NOT DISTURB” & “PLEASE CLEAN UP” with push button gold hairline

EGGMH4MV
2 gang “DO NOT DISTURB” & “PLEASE CLEAN UP” with push button gold mirror-vertical

HOTEL MESSAGE INDICATOR

(Designed to IEC60669-1)

EGSHH4M
2 gang “DO NOT DISTURB” & “PLEASE CLEAN UP” with push button stainless steel hairline

EGSMH4MV
2 gang “ DO NOT DISTURB” & PLEASE CLEAN UP” with push button stainless steel mirror-vertical

FLUSH PLATES

(Designed to BS5733)

EGGH31X
1 gang gold hairline blank plate

EGGM31X
1 gang gold mirror blank plate

EGSH31X
1 gang stainless steel hairline blank plate

EGSM31X
1 gang stainless steel mirror blank plate

FLUSH PLATES

(Designed to BS5733)

EGGH31X2
2 gang gold hairline blank plate

EGGM31X2
2 gang gold mirror blank plate

EGSH31X2
2 gang stainless steel hairline blank plate

EGMH31X2
2 gang stainless steel mirror blank plate

E192030, E192030MI

E1920A30, E1920A30MI

10A SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E192030
10A toggle surface switch with polished brass cover & porcelain base

E192030MI
10A intermediate surface switch with polished brass cover & porcelain base

E1920A30
10A toggle surface switch with antique brass cover & porcelain base

E1920A30MI
10A intermediate surface switch with antique brass cover & porcelain base

E1920C30, E1920C30MI

E1920F30, E1920F30MI

10A SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920C30
10A toggle surface switch with chrome cover & porcelain base

E1920C30MI
10A intermediate surface switch with chrome cover & porcelain base

E1920F30
10A toggle surface switch with florentine bronze cover & porcelain base

E1920F30MI
10A intermediate surface switch with florentine bronze cover & porcelain base

E192031

E1920A31

E1920C31

E1920F31

10A SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E192031
10A 30 Series surface grid assembly with polished brass cover & porcelain base

E1920A31
10A 30 Series surface grid assembly with antique brass cover & porcelain base

E1920C31
10A 30 Series surface grid assembly with chrome cover & porcelain base

E1920F31
10A 30 Series surface grid assembly with florentine bronze cover & porcelain base

E1920R30, E1920R30MI

E1920R30P

E1920AR30, E1920AR30MIE

10A SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920R30
10A toggle surface switch with ribbed polished brass cover & porcelain base

E1920R30MI
10A intermediate surface switch with ribbed polished brass cover & porcelain base

E1920R30P
10A 2 way toggle surface switch with ribbed polished brass cover, brown dolly & porcelain base

E1920AR30
10A toggle surface switch with ribbed antique brass cover & porcelain base

E1920AR30MI
10A intermediate surface switch with ribbed antique brass cover & porcelain base

Note: Mouldings are available in White or Black WE *White* BK *Black*

E1920CR30, E1920CR30MI

E1920FR30, E1920FR30MI

10A SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920CR30
10A toggle surface switch with ribbed chrome cover & porcelain base

E1920CR30MI
10A intermediate surface switch with ribbed chrome cover & porcelain base

E1920FR30
10A toggle surface switch with ribbed florentine bronze cover & porcelain base

E1920FR30MI
10A intermediate surface switch with ribbed florentine bronze cover & porcelain base

E1920S30, E1920S30MI

E1920SA30, E1920SA30MI

10A SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920S30
10A shallow surface switch with polished brass cover

E1920S30MI
10A shallow intermediate surface switch with polished brass cover

E1920SA30
10A shallow surface switch with antique brass cover

E1920SA30MI
10A shallow intermediate surface switch with antique brass cover

SPECIAL ORDER
Extended lead times may apply.

E1920SC30, E1920SC30MI

E1920SF30, E1920SF30MI

10A SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920SC30
10A shallow surface switch with chrome cover

E1920SC30MI
10A shallow intermediate surface switch with chrome cover

E1920SF30
10A shallow surface switch with florentine bronze cover

E1920SF30MI
10A shallow intermediate surface switch with florentine bronze cover

SPECIAL ORDER
Extended lead times may apply.

E1920SR30, E1920SR30MI

E1920SAR30, E1920SAR30MI

10A SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920SR30
10A shallow surface switch with ribbed polished brass cover

E1920SR30MI
10A shallow intermediate surface switch with ribbed polished brass cover

E1920SAR30
10A shallow surface switch with ribbed antique brass cover

E1920SAR30MI
10A shallow intermediate surface switch with ribbed antique brass cover

SPECIAL ORDER
Extended lead times may apply.

Note: Mouldings are available in White or Black WE *White* BK *Black*

E1920SRC30, E1920SRC30MI

E1920SFR30, E1920SFR30MI

10A SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920SRC30
10A shallow surface switch with ribbed chrome cover

E1920SRC30MI
10A shallow intermediate surface switch with ribbed chrome cover

E1920SFR30
10A shallow surface switch with ribbed florentine bronze cover

E1920SFR30MI
10A shallow intermediate surface switch with ribbed florentine bronze cover

SPECIAL ORDER
Extended lead times may apply.

E192030MD

E1920A30MD

E1920C30MD

E1920F30MD

10A DP SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E192030MD
10A DP surface switch with polished brass cover & porcelain base

E1920A30MD
10A DP surface switch with antique brass cover & porcelain base

E1920C30MD
10A DP surface switch with chrome cover & porcelain base

E1920F30MD
10A DP surface switch with florentine bronze cover & porcelain base

E1920R30MD

E1920AR30MD

E1920CR30MD

E1920FR30MD

10A DP SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920R30MD
10A DP surface switch with ribbed polished brass cover & porcelain base

E1920AR30MD
10A DP surface switch with ribbed antique brass cover & porcelain base

E1920CR30MD
10A DP surface switch with ribbed chrome cover & porcelain base

E1920FR30MD
10A DP surface switch with ribbed florentine bronze cover & porcelain base

E1920S30MD

E1920SA30MD

E1920SC30MD

E1920SF30MD

10A DP SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920S30MD
10A shallow DP surface switch with polished brass cover

E1920SA30MD
10A shallow DP surface switch with antique brass cover

E1920SC30MD
10A shallow DP surface switch with chrome cover

E1920SF30MD
10A shallow DP surface switch with florentine bronze cover

SPECIAL ORDER
Extended lead times may apply.

Note: Mouldings are available in White or Black WE *White* BK *Black*

10A DP SURFACE SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920SR30MD
10A shallow DP surface switch with ribbed polished brass cover

E1920SAR30MD
10A shallow DP surface switch with ribbed antique brass cover

E1920SRC30MD
10A shallow DP surface switch with ribbed chrome cover

E1920SFR30MD
10A shallow DP surface switch with ribbed florentine bronze cover

SPECIAL ORDER
Extended lead times may apply.

10A CEILING SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920343
10A pullcord ceiling switch (2 way) with polished brass cover

E1920A343
10A pullcord ceiling switch (2 way) with antique brass cover

E1920C343
10A pullcord ceiling switch (2 way) with chrome cover

E1920F343
10A pullcord ceiling switch (2 way) with florentine bronze cover

SPECIAL ORDER
Extended lead times may apply.

10A BELL SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E192030MBPR
10A bell press return surface switch with polished brass cover & porcelain base

E1920A30MBPR
10A bell press return surface switch with antique brass cover & porcelain base

E1920C30MBPR
10A bell press return surface switch with chrome cover & porcelain base

E1920F30MBPR
10A bell press return surface switch with florentine bronze cover & porcelain base

10A BELL SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920R30MBPR
10A bell press return surface switch with ribbed polished brass cover & porcelain base

E1920AR30MBPR
10A bell press return surface switch with ribbed antique brass cover & porcelain base

E1920CR30MBPR
10A bell press return surface switch with ribbed chrome cover & porcelain base

E1920FR30MBPR
10A bell press return surface switch with ribbed florentine bronze cover & porcelain base

Note: Mouldings are available in White or Black WE *White* BK *Black*

10A BELL SWITCHES

(Designed to IEC60669-1, MS616, SS227)

E1920S30MBPR
10A shallow bell press return surface switch with polished brass cover

E1920SA30MBPR
10A shallow bell press return surface switch with antique brass cover

E1920SC30MBPR
10A shallow bell press return surface switch with chrome cover

E1920SF30MBPR
10A shallow bell press return surface switch with florentine bronze cover

FAN CONTROL SWITCHES

(Designed to BS5518, EMC compliant)

E1920400F
400VA fan control with polished brass cover & porcelain base

E1920A400F
400VA fan control with antique brass cover & porcelain base

E1920C400F
400VA fan control with chrome cover & porcelain base

E1920F400F
400VA fan control with florentine bronze cover & porcelain base

FAN CONTROL SWITCHES

(Designed to BS5518, EMC compliant)

E1920R400F
400VA fan control with ribbed polished brass cover & porcelain base

E1920AR400F
400VA fan control with ribbed antique brass cover & porcelain base

E1920CR400F
400VA fan control with ribbed chrome cover & porcelain base

E1920FR400F
400VA fan control with ribbed florentine bronze cover & porcelain base

FAN CONTROL SWITCHES

(Designed to BS5518, EMC compliant)

E1920S500F
500VA shallow base fan control with polished brass cover

E1920SR500F
500VA shallow base fan control with ribbed polished brass cover

Note: Mouldings are available in White or Black WE *White* BK *Black*

E1920450L, E1920450LLV

E1920A450L, E1920A450LLV

DIMMER SWITCHES

(Designed to BS5518, EMC compliant)

E1920450L
450W dimmer with polished brass cover & porcelain base

E1920450LLV
450W low voltage dimmer with polished brass cover & porcelain base

E1920A450L
450W dimmer with antique brass cover & porcelain base

E1920A450LLV
450W low voltage dimmer with antique brass cover & porcelain base

E1920C400, E1920C400LV

E1920F400, E1920F400LV

DIMMER SWITCHES

(Designed to BS5518, EMC compliant)

E1920C400
400W dimmer with chrome cover & porcelain base

E1920C400LV
400W low voltage dimmer with chrome cover & porcelain base

E1920F400
400W dimmer with florentine bronze cover & porcelain base

E1920F400LV
400W low voltage dimmer with florentine bronze cover & porcelain base

E1920R400, E1920R400LV

E1920AR400, E1920AR400LV

DIMMER SWITCHES

(Designed to BS5518, EMC compliant)

E1920R400
400W dimmer with ribbed polished brass cover & porcelain base

E1920R400LV
400W low voltage dimmer with ribbed polished brass cover & porcelain base

E1920AR400
400W dimmer with ribbed antique brass cover & porcelain base

E1920AR400LV
400W low voltage dimmer with ribbed antique brass cover & porcelain base

E1920CR400, E1920CR400LV

E1920FR400, E1920FR400LV

DIMMER SWITCHES

(Designed to BS5518, EMC compliant)

E1920CR400
400W dimmer with ribbed chrome cover & porcelain base

E1920CR400LV
400W low voltage dimmer with ribbed chrome cover & porcelain base

E1920FR400
400W dimmer with ribbed florentine bronze cover & porcelain base

E1920FR400LV
400W low voltage dimmer with ribbed florentine bronze cover & porcelain base

Note: Mouldings are available in White or Black WE *White* BK *Black*

E1920S450L, E1920S450LLV

E1920SR450L, E1920SR450LLV

DIMMER SWITCHES

(Designed to BS5518, EMC compliant)

E1920S450L
450W surface mounted shallow base dimmer with polished brass cover

E1920S450LLV
450W low voltage shallow base dimmer with ribbed polished brass cover

E1920SR450L
450W surface mounted shallow base dimmer with ribbed chrome cover

E1920SR450LLV
450W low voltage shallow base dimmer with ribbed chrome cover

E1920ES13 BS

E1920ES13 AB

E1920ES13 CH

E1920ES13 FB

10A SOCKET OUTLETS

(Designed to BS1363, MS589, SS227)

E1920ES13 BS
13A surface socket outlet with polished brass cover

E1920ES13 AB
13A surface socket outlet with antique brass cover

E1920ES13 CH
13A surface socket outlet with chrome cover

E1920ES13 FB
13A surface socket outlet with florentine bronze cover

E1920STV75 BS

E1920STV75 AB

E1920STV75 CH

E1920STV75 FB

75 OHM TV OUTLETS

E1920STV75 BS
75 ohm surface mount TV outlet with polished brass cover

E1920STV75 AB
75 ohm television surface socket switch with antique brass cover

E1920STV75 CH
75 ohm television surface socket switch with chrome cover

E1920STV75 FB
75 ohm television surface socket switch with florentine bronze cover

E1920SRTV75 BS

E1920SRTV75 AB

E1920SRTV75 CH

E1920SRTV75 FB

75 OHM TV SOCKET OUTLETS

E1920SRTV75 BS
75 ohm surface mount TV socket outlet with ribbed polished brass cover

E1920SRTV75 AB
75 ohm TV surface socket outlet with ribbed antique brass cover

E1920SRTV75 CH
75 ohm TV surface socket outlet with ribbed chrome cover

E1920SRTV75 FB
75 ohm TV surface socket outlet with ribbed florentine bronze cover

E1920MB1-NH

E1920MB1

MOUNTING BLOCKS

E1920MB1-NH
Classic range timber mounting block. 1 gang 90x90mm, square, blank (no holes).

E1920MB1
Classic range timber mounting block. 1 gang 90x90mm, square

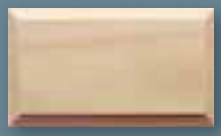
E1920MB42-NH

E1920MB42

MOUNTING BLOCKS

E1920MB42-NH
Classic range timber mounting block. 4 gang 155x155mm, square, blank (no holes).

E1920MB42
Classic range timber mounting block. 4 gang 155x155mm, square



E1920MB2-NH

E1920MB2

E1920MB2L

MOUNTING BLOCKS

E1920MB2-NH
Classic range timber mounting block. 2 gang 90x155mm, rectangular, blank.

E1920MB2L
Classic range timber mounting block. 2 gang 90x155mm, with large hole for dimmer

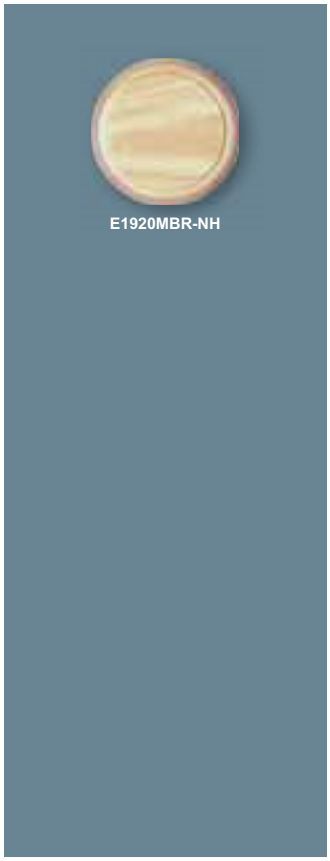
E1920MB2
Classic range timber mounting block. 2 gang 90x155mm, rectangular.

E1920MB

MOUNTING BLOCKS

E1920MB
Classic range timber mounting block. 150x107mm, mounting centres 84 mm

Note: Mounting blocks are available in pine, cedar or undercoat PN *Pine* CD *Cedar* UC *Undercoat*



MOUNTING BLOCKS

E1920MB3-NH
Classic range timber mounting block. 3 gang 90x255mm, rectangular, blank.

E1920MB4-NH
Classic range timber mounting block. 4 gang 90x280mm, rectangular, blank.

MOUNTING BLOCKS

E1920MB3
Classic range timber mounting block. 3 gang 90x255mm, rectangular.

E1920MB4
Classic range timber mounting block. 4 gang 90x280mm, rectangular.

MOUNTING BLOCKS

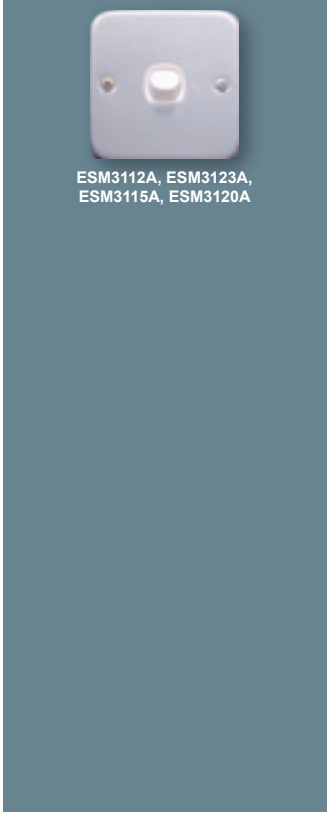
E1920MBR-NH
Classic range timber mounting block. 1 gang 88mm diameter, blank (no holes).

MOUNTING BLOCKS

E1920MB2OV-NH
Classic range timber mounting block. 2 gang 90x155mm, oval type, blank (no holes).

E1920MB2OV
Classic range timber mounting block. 2 gang 90x155mm, oval type.

Note: Mounting blocks are available in pine, cedar or undercoat PN *Pine* CD *Cedar* UC *Undercoat*



10A, 15A & 20A SWITCHES

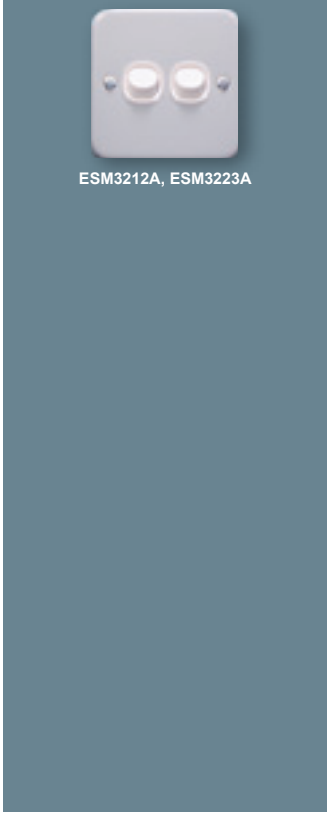
(Designed to IEC60669-1, MS616, SS227)

ESM3112A
10A ac 1 gang 1 way 2 terminal surface mounted switch

ESM3123A
10A ac 1 gang 2 way 3 terminal surface mounted switch

ESM3115A
15A 1 gang 2 way 4 terminal switch

ESM3120A
20A 1 gang 2 way 4 terminal switch



10A SWITCHES

(Designed to IEC60669-1, MS616, SS227)

ESM3212A
10A ac 2 gang 1 way 2 terminal surface mounted switch

ESM3223A
10A ac 2 gang 2 way 3 terminal surface mounted switch

10A SWITCHES

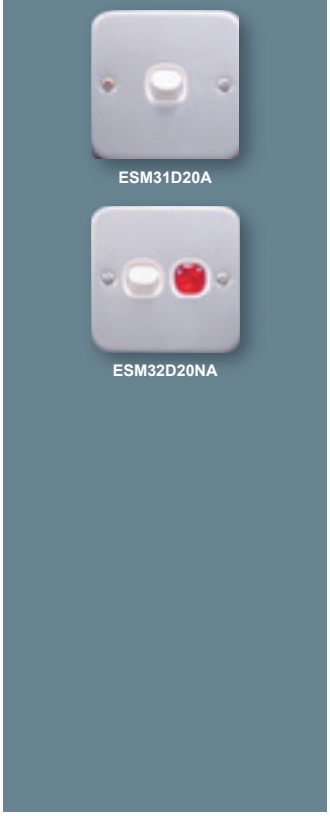
(Designed to IEC60669-1, MS616, SS227)

ESM3312A
10A 3 gang 1 way 2 terminal surface mounted switch

ESM3323A
10A 3 gang 2 way 3 terminal surface mounted switch

ESM3412A
10A ac 4 gang 1 way 2 terminal surface mounted switch

ESM3423A
10A ac 4 gang 2 way 3 terminal surface mounted switch



20A DP SWITCHES

(Designed to IEC60669-1, MS616, SS227)

ESM31D20A
20A DP switch

ESM32D20NA
20A DP switch with neon

13A & 15A SWITCHED SOCKET OUTLETS

ESM15
13A ac 1 gang switched socket outlet
(Designed to BS1363, MS589, SS145)

ESM1515
15A ac 1gang switched socket outlet
(Designed to BS546, SS472)

ESM25
13A ac 2 gang switched socket outlet
(Designed to BS1363, MS589, SS145)

10A & 13A FUSED CONNECTION UNITS
(Designed to British Standard)

ESM31FSA
13A 1 gang 30FS fused connection unit
(Designed to BS1363)

ESM32FSA
10A 2 gang grip with 2 way 4 terminal switch & 30FS fused connection unit

ESM32FSHDA
2 gang grip with 30FS fused connection unit & 30HD cord grip

ESM32FSNA
2 gang grip with 30FS connection unit & 30N red neon

MOUNTING GRIDS
(Designed to BS5733)

ESM31
1 gang grid with epoxy powder coated metal plate & box

ESM32
2 gang grid with epoxy powder coated metal plate & box

ESM34
4 gang grid with epoxy powder coated metal plate & box

CSS116, CSS120, CSS125, CSS132, CSS140

IP66 16A, 20A, 25A, 32A & 40A SURFACE MOUNT ISOLATORS - CSS SERIES

(Designed to IEC60529, IEC60947-3)

CSS116
16A 250V surface mount isolator

CSS120
20A 250V surface mount isolator

CSS125
25A 250V surface mount isolator

CSS132
32A 250V surface mount isolator

CSS140
40A 250V surface mount isolator

CSS116N, CSS120N, CSS125N, CSS132N, CSS140N

IP66 16A, 20A, 25A, 32A & 40A SURFACE MOUNT ISOLATORS WITH NEON - CSS SERIES

(Designed to IEC60529, IEC60947-3)

CSS116N
16A 250V surface mount isolator with neon

CSS120N
20A 250V surface mount isolator with neon

CSS125N
25A 250V surface mount isolator with neon

CSS132N
32A 250V surface mount isolator with neon

CSS140N
40A 250V surface mount isolator with neon

CSS216, CSS220, CSS225, CSS232, CSS240

IP66 16A, 20A, 25A, 32A & 40A DP SURFACE MOUNT ISOLATORS - CSS SERIES

(Designed to IEC60529, IEC60947-3)

CSS216
16A 500V DP surface mount isolator

CSS220
20A 500V DP surface mount isolator

CSS225
25A 500V DP surface mount isolator

CSS232
32A 500V DP surface mount isolator

CSS240
40A 500V DP surface mount isolator

CSS216N, CSS220N, CSS225N, CSS232N, CSS240N

IP66 16A, 20A, 20A, 32A & 40A DP SURFACE MOUNT ISOLATORS WITH NEON - CSS SERIES

(Designed to IEC60529, IEC60947-3)

CSS216N
16A 500V DP surface mount isolator with neon

CSS220N
20A 500V DP surface mount isolator with neon

CSS225N
25A 500V DP surface mount isolator with neon

CSS232N
32A 500V DP surface mount isolator with neon

CSS240N
40A 500V DP surface mount isolator with neon

CSS316, CSS320, CSS325, CSS332, CSS340

IP66 16A, 20A, 25A, 32A & 40A TP SURFACE MOUNT ISOLATORS - CSS SERIES

(Designed to IEC60529, IEC60947-3)

CSS316
16A 500V TP surface mount isolator

CSS320
20A 500V TP surface mount isolator

CSS325
25A 500V TP surface mount isolator

CSS332
32A 500V TP surface mount isolator

CSS340
40A 500V TP surface mount isolator

CSS316N, CSS320N, CSS325N, CSS332N, CSS340N

IP66 16A, 20A, 25A, 32A & 40A TP SURFACE MOUNT ISOLATORS WITH NEON - CSS SERIES

(Designed to IEC60529, IEC60947-3)

CSS316N
16A 500V TP surface mount isolator with neon

CSS320N
20A 500V TP surface mount isolator with neon

CSS325N
25A 500V TP surface mount isolator with neon

CSS332N
32A 500V TP surface mount isolator with neon

CSS340N
40A 500V TP surface mount isolator with neon

CSW110, CSW110BPR, CSW120, CSW120

CSW1102, CSW1202, CSW1202

IP66 10A, 16A & 20A SURFACE MOUNT SWITCHES - CSW SERIES

(Designed to IEC60669-1, IEC60529)

CSW110
10A 250V 1 gang 2 way surface mount switch with looping terminal

CSW110BPR
10A 250V 1 gang 2 way surface mount bell press switch with looping terminal

CSW120
16A 250V 1 gang 2 way surface mount switch with looping terminal

CSW120
20A 250V 1 gang 2 way surface mount switch with looping terminal

CSW1102
10A 250V 2 gang 2 way surface mount switch with looping terminal

CSW1202
16A 250V 2 gang 2 way surface mount switch with looping terminal

CSW1202
20A 250V 2 gang 2 way surface mount switch with looping terminal

CSW110N, CSW110BPRN, SW120N, CSW120N

CSW1102N, CSW1202N, CSW1202N

IP66 10A, 16A & 20A SURFACE MOUNT SWITCHES WITH NEON - CSW SERIES

(Designed to IEC60669-1, IEC60529)

CSW110N
10A 250V 1 gang 2 way surface mount switch with looping terminal with neon

CSW110BPRN
10A 250V 1 gang 2 way surface mount bell press switch with lopping terminal with neon

CSW120N
16A 250V 1 gang 2 way surface mount switch with looping terminal with neon

CSW120N
20A 250V 1 gang 2 way surface mount switch with looping terminal with neon

CSW1102N
10A 250V 2 gang 2 way surface mount switch with looping terminal with neon

CSW1202N
16A 250V 2 gang 2 way surface mount switch with looping terminal with neon

CSW1202N
20A 250V 2 gang 2 way surface mount switch with looping terminal with neon

CSW220

CSW2202

IP66 20A DP SURFACE MOUNT SWITCHES - CSW SERIES

(Designed to IEC60669-1, IEC60529)

CSW220
20A 500V 1 gang DP surface mount isolator switch

CSW2202
20A 500V 2 gang DP surface mount isolator switch

CSW220N

CSW2202N

IP66 20A DP SURFACE MOUNT SWITCHES WITH NEON - CSW SERIES

(Designed to IEC60669-1, IEC60529)

CSW220N
20A 500V 1 gang DP surface mount isolator switch with neon

CSW2202N
20A 500V 2 gang DP surface mount isolator switch with neon

CS0313, CSO315RP, CSO316RP

IP56 13A, 15A &16A SURFACE MOUNT SOCKET OUTLETS - CSO SERIES

CS0313
13A 250V surface mount socket outlet
(Designed to BS1363-2, IEC60529)

CSO3132
13A 250V surface mount twin socket outlet
(Designed to BS1363-2)

CSO315RP
15A 250V surface mount socket outlet
(Designed to BS546, IEC60529)

CSO316RP
16A 250V surface mount socket outlet
(Designed to IS1293, IEC60529)

CSC313, CSC315RP, CSC316RP

IP56 13A, 15A & 16A SURFACE MOUNT SWITCHED SOCKET OUTLETS - CSC SERIES

CSC313
13A single pole switched socket outlet
(Designed to BS1363-2, IEC60529)

CSC315RP
15A single pole switched socket outlet
(Designed to BS546, IEC60529)

CSC316RP
16A single pole switched socket outlet
(Designed to IS1293, IEC60529)

CSC313N, CSC315RPN, CSC316RPN

IP56 13A, 15A & 16A SURFACE MOUNT SWITCHED SOCKET OUTLETS WITH NEON - CSC SERIES

CSC313N
13A single pole switched socket outlet with neon
(Designed to BS1363-2, IEC60529)

CSC315RPN
15A single pole switched socket outlet with neon
(Designed to BS546, IEC60529)

CSC316RPN
16A single pole switched socket outlet with neon
(Designed to IS4615, IEC60529)

CSC313D, CSC315RPD, CSC316RPD

IP56 13A, 15A & 16A DP SURFACE MOUNT SWITCHED SOCKET OUTLETS - CSC SERIES

CSC313D
13A DP surface mount switched socket outlet
(Designed to BS1363-2, IEC60529)

CSC315RPD
15A DP surface mount switched socket outlet
(Designed to BS546, IEC60529)

CSC316RPD
16A DP surface mount switched socket outlet
(Designed to IS4615, IEC60529)

CSC313DN, CSC315RPDN, CSC316RPDN

IP56 13A, 15A & 16A DP SURFACE MOUNT SWITCHED SOCKET OUTLETS WITH NEON - CSC SERIES

CSC313DN
13A DP surface mount switched socket outlet with neon
(Designed to BS1363-2, IEC60529)

CSC315RPDN
15A DP surface mount switched socket outlet with neon
(Designed to BS546, IEC60529)

CSC316RPDN
16A DP surface mount switched socket outlet with neon
(Designed to IS4615, IEC60529)

E551US

E552US

IP55 13A SOCKETS

E551US
IP55 230V 13A 1 gang unswitched socket

E551SS
IP55 230V 13A 1 gang switched socket

E552US
IP55 230V 13A 2 gang unswitched socket

E5512S

E5522S

IP 20AX SWITCH

E5512S
IP55 20AX 1 gang 2 way switch

E5522S
IP55 20AX 2 gang 2 way switch

E55PB
IP55 20AX push button

E55CB

ACCESSORIES

E55CB
Connection box

E55GP
Grommet (pack of 10)

E55BC
Box coupler

56SW110, 56SW110HD, 56SW1102, 56SW110I, 56SW115, 56SW115HD, 56SW1152

IP66 10A & 15A SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

56SW110
10A 250V 1 gang 1 way 3 terminal surface rotary switch

56SW110HD
10A 250V 1 gang surface rotary switch

56SW1102
10A 250V 1 gang 2 way 4 terminal surface rotary switch

56SW110I
10A 250V 1 gang surface rotary switch

56SW115
15A 250V 1 gang 1 way 3 terminal surface rotary switch

56SW115HD
15A 250V 1 gang surface rotary switch

56SW1152
15A 250V 1 gang 2 way 4 terminal surface rotary switch

56SW120, 56SW132, 56SW150, 56SW163

IP66 20A, 32A, 50A & 63A SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

56SW120
20A 250V 1 gang surface rotary switch

56SW132
32A 250V 1 gang surface rotary switch

56SW150
50A 250V 1 gang surface rotary switch

56SW163
63A 250V 1 gang surface rotary switch

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

56SW220, 56SW232, 56SW250, 56SW263

IP66 20A, 32A, 50A & 63A DP SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

56SW220
20A 500V 1 gang DP surface rotary switch

56SW232
32A 500V 1 gang DP surface rotary switch

56SW250
50A 500V 1 gang DP surface rotary switch

56SW263
63A 500V 1 gang DP surface rotary switch

56SW310, 56SW320, 56SW320C, 56SW332, 56SW332C

IP66 10A, 20A & 32A TP SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

56SW310
10A 500V 1 gang TP surface rotary switch

56SW320
20A 500V 1 gang TP surface rotary switch

56SW320C
20A 500V 1 gang TP surface rotary switch with 2A control circuit

56SW332
32A 500V 1 gang TP surface rotary switch

56SW332C
32A 500V 1 gang TP surface rotary switch with 2A control circuit

56SW350, 56SW350C, 56SW363

56SW3632

IP66 50A & 63A TP SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

56SW350
50A 500V 1 gang TP surface rotary switch

56SW350C
50A 500V 1 gang TP surface rotary switch with 2A control circuit

56SW363
63A 500V 1 gang TP surface rotary switch

56SW3632
63A 500V 1 gang TP surface rotary switch with 2 gang enclosure

56SW420

IP66 20A FOUR POLE SURFACE SWITCH

(Designed to IEC60669-1, IEC60529)

56SW420
20A 440V 1 gang 4 pole surface rotary switch

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

56K1SW115, 56K1SW120, 56K1SW132, 56K1SW150

IP66 15A, 20A, 32A & 50A KEY OPERATED STANDARD SECURITY SWITCHES

(Designed to IEC60669-1, IEC60529)

56K1SW115
15A 250V key operated switch

56K1SW120
20A 250V key operated switch

56K1SW132
32A 250V key operated switch

56K1SW150
50A 250V key operated switch

** For locking in the 'OFF' position only*

56K1SW220, 56K1SW232, 56K1SW250

IP66 20A, 32A & 50A DP KEY OPERATED STANDARD SECURITY SWITCHES

(Designed to IEC60669-1, IEC60529)

56K1SW220
20A 500V DP key operated switch

56K1SW232
32A 500V DP key operated switch

56K1SW250
50A 500V DP key operated switch

** For locking in the 'OFF' position only*

56K1SW310, 56K1SW320, 56K1SW332, 56K1SW350

IP66 10A, 20A, 32A & 50A TP KEY OPERATED STANDARD SECURITY SWITCHES

(Designed to IEC60669-1, IEC60529)

56K1SW310
10A 500V TP key operated switch

56K1SW320
20A 500V TP key operated switch

56K1SW332
32A 500V TP key operated switch

56K1SW350
50A 500V TP key operated switch

** For locking in both 'ON' & 'OFF' position only*

56K2SW115, 56K2SW120, 56K2SW132, 56K2SW150

IP66 15A, 20A, 32A & 50A KEY OPERATED STANDARD SECURITY SWITCHES

(Designed to IEC60669-1, IEC60529)

56K2SW115
15A 250V key operated switch

56K2SW120
20A 250V key operated switch

56K2SW132
32A 250V key operated switch

56K2SW150
50A 250V key operated switch

** For locking in both 'ON' & 'OFF' position only*

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

56K2SW220, 56K2SW232, 56K2SW250

IP66 20A, 32A & 50A DP KEY OPERATED STANDARD SECURITY SWITCHES

(Designed to IEC60669-1, IEC60529)

56K2SW220
20A 500V DP key operated switch

56K2SW232
32A 500V DP key operated switch

56K2SW250
50A 500V DP key operated switch

** For locking in both 'ON' & 'OFF' position only*

56K2SW310, 56K2SW320, 56K2SW332, 56K2SW350

IP66 10A, 20A, 32A & 50A TP KEY OPERATED STANDARD SECURITY SWITCHES

(Designed to IEC60669-1, IEC60529)

56K2SW310
10A 500V TP key operated switch

56K2SW320
20A 500V TP key operated switch

56K2SW332
32A 500V TP key operated switch

56K2SW350
50A 500V TP key operated switch

** For locking in both 'ON' & 'OFF' position only*

56K1SW115MS, 56K1SW132MS, 56K1SW310MS

IP66 10A, 15A & 32A KEY OPERATED MEDIUM SECURTY SWITCHES

(Designed to IEC60669-1, IEC60529)

56K1SW115MS
15A 250V key operated switch

56K1SW132MS
32A 250V key operated switch

56K1SW310MS
10A 500V TP key operated switch

** For locking in the 'OFF' position only*

56K2SW115MS, 56K2SW132MS, 56K2SW310MS

IP66 10A, 15A & 32A KEY OPERATED MEDIUM SECURTY SWITCHES

(Designed to IEC60669-1, IEC60529)

56K2SW115MS
15A 250V key operated switch

56K2SW132MS
32A 250V key operated switch

56K2SW310MS
10A 500V TP key operated switch

** For locking in both 'ON' & 'OFF' position only*

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

56K1SW115HS, 56K1SW132HS, 56K1SW310HS

IP66 10A, 15A & 32A KEY OPERATED HIGH SECURTY SWITCHES

(Designed to IEC60669-1, IEC60529)

56K1SW115HS
15A 250V key operated switch

56K1SW132HS
32A 250V key operated switch

56K1SW310HS
10A 500V TP key operated switch

** For locking in the 'OFF' position only*

56SWH325, 56SWH340, 56SWH363, 56SWH380

IP56 25A, 40A, 63A & 80A TP HEAVY - DUTY SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

56SWH325
25A 500V TP heavy - duty surface switch

56SWH340
40A 500V TP heavy - duty surface switch

56SWH363
63A 500V TP heavy - duty surface switch

56SWH380
80A 500V TP heavy - duty surface switch

56SWH425, 56SWH440, 56SWH463

IP56 25A, 40A & 63A FOUR POLE HEAVY - DUTY SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

56SWH425
25A 500V 4 pole heavy - duty surface switch

56SWH440
40A 500V 4 pole heavy - duty surface switch

56SWH463
63A 500V 4 pole heavy - duty surface switch

M56SW110HD, M56SW120, M56SW132, M56SW150, M56SW163

M56 SERIES - 10A, 20A, 32A, 50A & 63A SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

M56SW110HD
10A 250V surface switch

M56SW120
20A 250V surface switch

M56SW132
32A 250V surface switch

M56SW150
50A 250V surface switch

M56SW163
63A 250V surface switch

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

M56SW220, M56SW232, M56SW250, M56SW263

M56 SERIES - 20A, 32A, 50A & 63A DP SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

M56SW220
20A 500V DP surface switch

M56SW232
32A 500V DP surface switch

M56SW250
50A 500V DP surface switch

M56SW263
63A 500V DP surface switch

M56SW310, M56SW320, M56SW332, M56SW350A, M56SW350B, M56SW363A, M56SW363B

M56 SERIES - 10A, 20A, 32A, 50A & 63A TP SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

M56SW310
10A 500V TP surface switch

M56SW320
20A 500V TP surface switch

M56SW332
32A 500V TP surface switch

M56SW350A
50A 500V TP surface switch

M56SW350B
50A 500V TP surface switch

M56SW363A
63A 500V TP surface switch

M56SW363B
63A 500V TP surface switch

M56SW420, M56SW432

M56 SERIES - 20A & 32A FOUR POLE SURFACE SWITCHES

(Designed to IEC60669-1, IEC60529)

M56SW420
20A 500V 4 pole surface switch

M56SW432
32A 500V 4 pole surface switch

56SW220CO

56SW420CO

IP66 20A CHANGE - OVER & REVERSING SWITCHES

(Designed to IEC60669-1, IEC60529)

56SW220CO
20A 500V DP change - over switch

56SW420CO
20A 500V 4 pole change - over switch

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

IP56 10A & 15A SWITCHES WITH SLIDING SWITCH DOLLIES

(Designed to IEC60669-1, IEC60529)

56SSW10
10A 250V single sliding switch

56SSW10I
10A 250V intermediate sliding switch

56SSW15
15A 250V single sliding switch

56SSW210
10A 250V DP double sliding switch

56SSW215
15A 250V DP double sliding switch

IP66 10A PUSH BUTTON CONTROL STATIONS

(Designed to IEC60669-1, IEC60529)

56PB
10A 250V start control station with green push button

56PBS
10A 250V stop control station with red push button

56PBS1
10A 250V emergency stop station with mushroom head twist reset & red push button

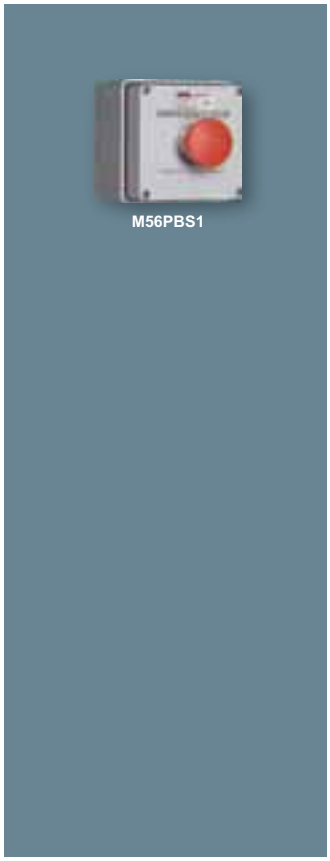
56PBS2
10A 250V stop station with mushroom head twist reset & red push button labelled stop only

IP66 10A PUSH BUTTON CONTROL STATIONS

(Designed to IEC60669-1, IEC60529)

562PB
10A 250V stopstart control station with a red extended head push button & green flush head start button

562PBS1
10A 250V stopstart control station with a red mushroom head push button & green flush head start button



M56 10A PUSH BUTTON

(Designed to IEC60669-1, IEC60529)

M56PBS1
10A 240V emergency stop station with mushroom head twist reset & red push button

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

56TC, 56TC7

56TCB, 56TCB7

56TCDB

56SWT216

IP66 10A, 15A & 16A SURFACE MOUNT TIMER SWITCHES

(Designed to IEC60669-1, IEC60529)

56TC
15A 250V 24 hour synchronous surface mount timer

56TC7
15A 250V 7 days synchronous surface mount timer

56TCB
15A 250V 24 hour quartz synchronous surface mount timer with battery backup

56TCB7
15A 250V 7 days quartz synchronous surface mount timer with battery backup

56TCDB
10A 250V digital surface mount timer

56SWT216
16A 250V ac DP 2 hour surface mount timer - rated IP56

56P21532

IP66 10A & 15A 2 PIN PLUGS

56P21532
15A 250V 2 flat pin polarised straight plug
(Designed to IEC60529, BS546, SS227)

56P310RP

56P310

56P313

56P315

IP66 10A, 13A & 15A 3 PIN STRAIGHT PLUGS

56P310RP
10A 250V 3 round pin straight plug
(Designed to Australian Standard)

56P310
10A 250V 3 flat pin straight plug
(Designed to Australian Standard)

56P313
13A 250V 3 pin straight plug
(Designed to IEC60529, BS1363, MS616, SS227)

56P315
15A 250V 3 pin straight plug
(Designed to IEC60529, BS546, SS472)

56P315RP, 56P320

IP66 15A & 20A 3 PIN STRAIGHT PLUGS

56P315RP
15A 250V 3 pin straight plug
(Designed to IEC60529, BS546, SS472)

56P320
20A 250V 3 round pin straight plug
(Designed to Australian Standard)

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

56PA320, 56PA332

IP66 20A & 32A 3 PIN ANGLE PLUGS

(Designed to Australian Standard)

56PA320
20A 250V 3 round pin angle plug

56PA332
32A 250V 3 round pin angle plug

56P410, 56P420, 56P432, 56P440, 56P450

66P450, 66P463

IP66 10A, 16A, 20A, 32A, 40A, 50A & 63A 4 PIN STRAIGHT PLUGS

(Designed to Australian Standard)

56P410
10A 500V 4 round pin straight plug

56P420
20A 500V 4 round pin straight plug

56P432
32A 500V 4 round pin straight plug

56P440
40A 500V 4 round pin straight plug

56P450
50A 500V 4 round pin straight plug

66P450
50A 500V 66P series 4 round pin straight plug

66P463
63A 500V 66P series 4 round pin straight plug

56PC, 56PCI

56PC2

PLUG CAPS

56PC
10A - 20A 3 phase plug cap

56PCI
32A - 50A 3 phase plug cap

56PC2
10A - 20A 1 phase plug cap

M56CP20, M56CP25, M56CP32, M56CP40

M56 CONDUIT PLUGS

M56CP20
20mm conduit plug

M56CP25
25mm conduit plug

M56CP32
32mm conduit plug

M56CP40
40mm conduit plug

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

56SC2

SOCKET CAPS

56SC2
10A - 15A socket cap

56SO313

56SO315, 56SO315RP

56SO320, 56SO332

IP66 13A, 15A, 20A & 32A 3 PIN SURFACE SOCKET OUTLETS

56SO313
13A 250V 1 gang 3 pin surface socket outlet
(Designed to IEC60529, BS1363, MS589, SS145)

56SO315
15A 250V 1 gang 3 pin surface socket outlet
(Designed to IEC60529, BS546, SS472)

56SO315RP
15A 250V 1 gang 3 pin surface socket outlet
(Designed to IEC60529, BS546, SS472)

56SO320
20A 250V 1 gang 3 pin surface socket outlet
(Designed to IEC60529)

56SO332
32A 250V 1 gang 3 pin surface socket outlets
(Designed to IEC60529)

56SO3164, 56SO3166

56SO3324, 56SO3326

IP66 3 PIN SURFACE SOCKET OUTLETS
(Designed to IEC60309)

56SO3164
1 gang 3 pin 110130V 16A - 4h surface socket outlet

56SO3166
1 gang 3 pin 220250V 16A - 6h surface socket outlet

56SO3324
1 gang 3 pin 110130V 32A - 4h surface socket outlet

56SO3326
1 gang 3 pin 220250V 16A - 6h surface socket outlet

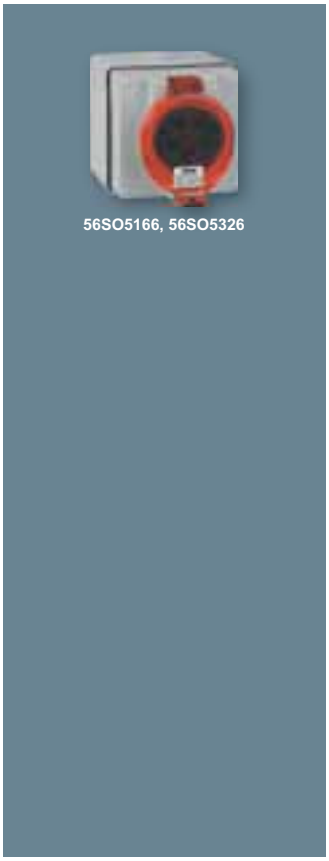
56SO4166, 56SO4326

IP66 4 PIN SURFACE SOCKET OUTLETS
(Designed to IEC60309)

56SO4166
1 gang 4 pin 380415V 16A - 6h surface socket outlet

56SO4326
1 gang 4 pin 380415V 32A - 6h surface socket outlet

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

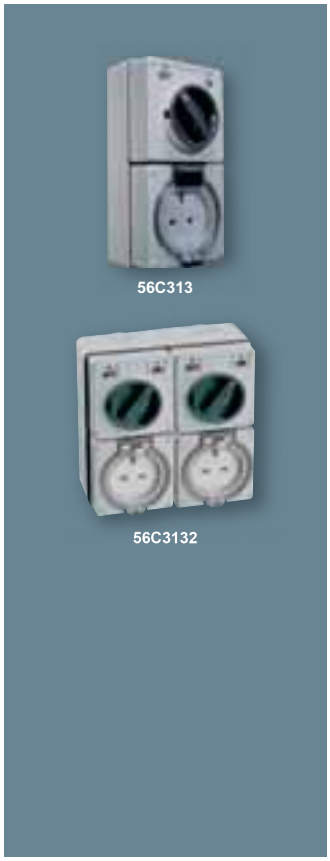


IP66 5 PIN SURFACE SOCKET OUTLETS

(Designed to IEC60309)

56SO5166
1 gang 5 pin 380415V 16A - 6h surface socket outlet

56SO5326
1 gang 5 pin 380415V 32A - 6h surface socket outlet



IP66 13A 3 PIN COMBINATION SURFACE SWITCHED SOCKET OUTLETS

(Designed to IEC60529, BS1363, MS589, SS145)

56C313
13A 250V 1 gang 3 pin combination surface switched socket outlet

56C3132
13A 250V 2 gang 3 pin combination surface switched socket outlet

IP66 13A & 15A 3 PIN COMBINATION SURFACE SWITCHED SOCKET OUTLETS

56C313H2
13A 250V 2 gang 3 pin combination surface switched socket outlet
(Horizontal mounting)
(Designed to IEC60529, BS1363, MS589, SS145)

56C315RP
15A 250V 1 gang 3 pin combination surface switched socket outlet
(Designed to IEC60529, BS546, SS472)

IP66 15A, 20A & 32A 3 PIN COMBINATION SWITCHED SOCKET OUTLETS

56C315RP2
15A 250V 2 gang 3 pin combination surface switched socket outlet
(Designed to IEC60529, BS546, SS472)

56C315RPH2
15A 250V 2 gang 3 pin combination surface switched socket outlet
(Horizontal mounting)
(Designed to IEC60529, BS546, SS472)

56C320
20A 250V 1 gang 3 pin combination surface switched socket outlet
(Designed to IEC60529)

56C332
32A 250V 1 gang 3 pin combination surface switched socket outlet
(Designed to IEC60529)

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

56C410, 56C420, 56C432, 56C440, 56C450

IP66 10A, 20A, 32A, 40A & 50A 4 PIN COMBINATION SWITCHED SOCKET OUTLETS

(Designed to IEC60529)

56C410
10A 500V 1 gang 4 pin combination surface switched socket outlet

56C420
20A 500V 1 gang 4 pin combination surface switched socket outlet

56C432
32A 500V 1 gang 4 pin combination surface switched socket outlet

56C440
40A 500V 1 gang 4 pin combination surface switched socket outlet

56C450
50A 500V 1 gang 4 pin combination surface switched socket outlet

56C510, 56C520, 56C532, 56C540, 56C550

IP66 10A, 20A, 32A, 40A & 50A 5 PIN COMBINATION SWITCHED SOCKET OUTLETS

(Designed to IEC60529)

56C510
10A 500V 1 gang 5 pin combination surface switched socket outlet

56C520
20A 500V 1 gang 5 pin combination surface switched socket outlet

56C532
32A 500V 1 gang 5 pin combination surface switched socket outlet

56C540
40A 500V 1 gang 5 pin combination surface switched socket outlet

56C550
50A 500V 1 gang 5 pin combination surface switched socket outlet

56C3134EL, 56C31324ELGY

IP56 13A 3 PIN COMBINATION SOCKET OUTLETS WITH RCD PROTECTION

(Designed to IEC60529, BSEN61008)

56C3134EL
13A 250V 1 gang 3 pin combination surface socket outlet with RCD protection

56C31324ELGY
13A 250V 2 gang 3 pin combination surface socket outlet with RCD protection

** Tripping sensitivity : 30mA*

56C3154EL

56C315RP4EL

IP56 15A 3 PIN COMBINATION SOCKET OUTLETS WITH RCD PROTECTION

(Designed to IEC60529, BSEN61008)

56C3154EL
15A 250V 1 gang 3 pin combination surface socket outlet with RCD protection

56C315RP4EL
15A 250V 1 gang 3 pin combination surface socket outlet with RCD protection
(Designed to BS546)

**Tripping sensitivity : 30mA*

SPECIAL ORDER
Extended lead times may apply.

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

56C420RC, 56C432RC

56C520RC, 56C532RC

IP56 20A & 32A 4 PIN & 5 PIN COMBINATION SOCKET OUTLETS WITH RCD PROTECTION

(Designed to IEC60529, BSEN61008)

56C420RC
20A 500V 1 gang 4 pin combination surface socket outlet with RCD protection

56C432RC
32A 500V 1 gang 4 pin combination surface socket outlet with RCD protection

56C520RC
20A 500V 1 gang 5 pin combination surface socket outlet with RCD protection

56C532RC
32A 500V 1 gang 5 pin combination surface socket outlet with RCD protection

**Tripping sensitivity : 30mA*

SPECIAL ORDER
Extended lead times may apply.

66CV450, 66CV463, 66CV550, 66CV750, 66CV563, 66CV763

IP66 66CV SWITCHED SOCKET OUTLETS

(Designed to IEC60529)

66CV450
50A 500V TP 4 round pin switched socket outlet

66CV463
63A 500V TP 4 round pin switched socket outlet

66CV550
50A 500V 4 pole 5 pin switched socket outlet

66CV563
63A 500V 4 pole 5 pin switched socket outlet

66CV750
50A 500V 4 pole 7 pin switched socket outlet

66CV763
63A 500V 4 pole 7 pin switched socket outlet

SPECIAL ORDER
Extended lead times may apply.

56DOL9, 56DOL12, 56DOL16

56DOL22, 56DOL32, 56DOL38

IP66 MOTOR STARTERS - 56 DOL RANGE

(Designed to IEC60529)

56DOL9
Direct online motor starter, 9A AC3 rated, 16A AC1 rated. 4.0kW at 415V

56DOL12
Direct online motor starter, 12A AC3 rated, 25A AC1 rated. 5.5kW at 415V

56DOL16
Direct online motor starter, 16A AC3 rated, 36A AC1 rated. 7.5kW at 415V

56DOL22
Direct online motor starter, 25A AC3 rated, 40A AC1 rated. 11kW at 415V

56DOL32
Direct online motor starter, 32A AC3 rated, 55A AC1 rated. 15kW at 415V

56DOL38
Direct online motor starter, 38A AC3 rated, 60A AC1 rated. 18.5kW at 415V

SPECIAL ORDER
Extended lead times may apply.

56ROL9, 56ROL12, 56ROL16

56ROL22, 56ROL32, 56ROL38

IP66 MOTOR STARTERS - 56 ROL RANGE

(Designed to IEC60529)

56ROL9
Reversing motor starter, rated 3 phase. 4.0kW at 415V

56ROL12
Reversing motor starter, rated 3 phase. 5.5kW at 415V

56ROL16
Reversing motor starter, rated 3 phase. 7.5kW at 415V

56ROL22
Reversing motor starter, rated 3 phase. 11kW at 415V

56ROL32
Reversing motor starter, rated 3 phase. 15kW at 415V

56ROL38
Reversing motor starter, rated 3 phase. 18.5kW at 415V

SPECIAL ORDER
Extended lead times may apply.

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

56YD9

56YD12, 56YD20

56YD26, 56YD33

IP66 MOTOR STARTERS - 56YD RANGE

(Designed to IEC60529)

56YD9
Star-Delta motor starter, rated max. 7.5kW at 415V. Max. 30 starts per hour.

56YD12
Star-Delta motor starter, rated max. 11kW at 415V. Max. 30 starts per hour.

56YD20
Star-Delta motor starter, rated max. 20kW at 415V. Max. 30 starts per hour.

56YD26
Star-Delta motor starter, rated max. 26kW at 415V. Max. 30 starts per hour.

56YD33
Star-Delta motor starter, rated max. 30kW at 415V. Max. 30 starts per hour.

SPECIAL ORDER
Extended lead times may apply.

5632

IP66 APERTURE ENCLOSURE

(Designed to IEC60529, BS5733)

5632
2 aperture enclosure

56JB1

56JB2

56JB3

IP66 JUNCTION BOXES

(Designed to IEC60529, BS5733)

56JB1
1 gang junction box
107x101x91mm

56JB2
2 gang junction box
204x101x91mm

56JB3
3 gang junction box
294x101x91mm

56E1

56ES1

56E2

IP66 MOUNTING ENCLOSURES

(Designed to IEC60529, BS5733)

56E1
1 gang mounting enclosure
101x101x63mm

56ES1
1 gang mounting enclosure
101x101x38mm

56E2
2 gang mounting enclosure
198x101x63mm

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

IP66 MOUNTING ENCLOSURES

(Designed to IEC60529, BS5733)

56ED2
2 gang mounting enclosure
198x101x100mm

56ES2
2 gang mounting enclosure
198x101x38mm

56E24EL
2 gang mounting enclosure
198x101x105mm

IP66 MOUNTING ENCLOSURES

(Designed to IEC60529, BS5733)

56E3
3 gang mounting enclosure
294x101x63mm

56E4
4 gang mounting enclosure
198x198x63mm

56E4VH
4 gang mounting enclosure
391x101x63mm

IP66 MOUNTING ENCLOSURES

(Designed to IEC60529, BS5733)

56E6
6 gang mounting enclosure
294x198x63mm

56E8
8 gang mounting enclosure
391x198x63mm

IP66 MOUNTING ENCLOSURES

(Designed to IEC60529, BS5733)

56E9
9 gang mounting enclosure
294x294x63mm

56E16
16 gang mounting enclosure
391x391x63mm

Note: Products are available in grey or chemical resistant orange GY *Grey* RO *Resistant Orange*

WS226, WS226D, WS22620

WS226N, WS22620N

IP56 15A & 20A SURFACE SWITCHES

(Designed to IEC60669-1, BSEN60529)

WS226
15A 250V 1 gang 12 way surface switch

WS226D
15A 250V 1 gang DP surface switch

WS22620
20A 250V 1 gang 12 way surface switch

WS226N
15A 250V 1 gang 12 way surface switch with neon

WS22620N
20A 250V 1 gang 12 way surface switch with neon

WS2262

WS2262N

IP56 15A SURFACE SWITCHES

(Designed to IEC60669-1, BSEN60529)

WS2262
15A 250V 2 gang 12 way surface switch

WS2262N
15A 250V 2 gang 12way surface switch with neon

WS226PB

WS226PBS

WS2262PB

IP56 10A PUSH BUTTON CONTROL STATIONS

(Designed to IEC60529, IEC60669-1)

WS226PB
10A 440V push button station

WS226PBS
10A 440V stop button station

WS2262PB
10A 440V startstop button station

WHT20, WHT35, WHT55, WHT5532, WHT63, WHT80

IP56 20A, 35A, 55A, 63A & 80A TP SURFACE MOUNT ISOLATORS

(Designed to IEC60529, IEC60947-3)

WHT20
20A 440V TP surface mount isolator

WHT35
35A 440V TP surface mount isolator

WHT55
55A 440V TP surface mount isolator

WHT5532
55A 440V TP surface mount isolator with 32mm conduit entry at each end

WHT63
63A 440V TP surface mount isolator with 32mm conduit entry at each end

WHT80
80A 440V TP surface mount isolator with 32mm conduit entry at each end

WEATHER PROTECTED FLUSH PLATES & BOXES

(Designed to IEC60529)

E31WP
IP54 1 gang flush plate with surround (87 x87mm)

WS229G
IP54 1 gang weather protected surface box, suit for 30 series mechanism

W226JB
IP66 Junction box
(88(L) x 78(W) x 53(D)mm)

WEATHER PROTECTED FLUSH PLATES & BOXES

(Designed to IEC60529)

E223V
IP54 weather protected accessory cover

E223DV
IP13 weather protected socket cover

LIGHTS

56WL GY
Wall light, surface mount
(PL5-PL7 lamp) IP56
250V, 0.175A, 9W max.
2 module 50Hz.
Dims: 198x101x91mm. Fixing Ctrs: 181x84mm.
Mtg box: (surface) 56E2 included.
Material: polycarbonate.
Standard: BS 5733:1995

56FWL
Wall light, flush mount
(PL5-PL7 lamp) IP43
250V, 0.175A, 9W max.
2 module 50Hz.
Dims: 254x157x84mm.
Fixing Ctrs: 181x84mm.
Mtg box: (flush) kit included (WE).
Material: polycarbonate.
Standard: BS 5733:1995

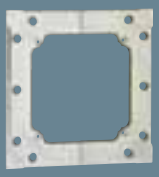
SURROUNDS

56FA1 GY
Flush surround IP56, 1 module
Dims: 157x157x13mm,
Fix Ctrs: 84x84mm
Mtg Box: (surface) 56E1
Material: PVC
Standard: IEC 670:1989

56FA2 GY
Flush surround IP56, 2 module
Dims: 254x157x13mm,
Fix Ctrs: 181x84mm
Mtg Box: (surface) 56E2
Material: PVC
Standard: IEC 670:1989

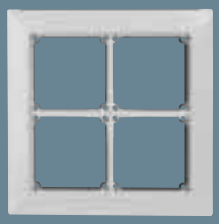
56FA3 GY
Flush surround IP56, 3 module
Dims: 350x157x13mm,
Fix Ctrs: 277x84mm
Mtg Box: (surface) 56E3
Material: PVC
Standard: IEC 670:1989

56FA4 GY
Flush surround IP56, 4 module
Dims: 254x254x13mm,
Fix Ctrs: 181x181mm
Mtg Box: (surface) 56E4
Material: PVC
Standard: IEC 670:1989

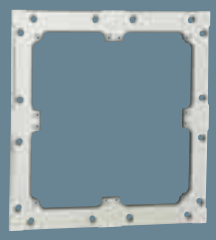


56FA1B

56FA2B



56FA3B



56FA4B

56B BK

56JB1 GY

SURROUNDS AND MOUNTING PLATES

56FA1B
Mounting plate-flush surround
IP56, 1 module
Dims: 141x141mm,
Fix Ctrs: 84x84mm
Mtg Box: (surface) 56E1
Material: Steel
Standard: IEC 670:1989

56FA2B
Mounting plate-flush surround
IP56, 2 module
Dims: 242x141mm,
Fix Ctrs: 181x84mm
Mtg Box: (surface) 56E2
Material: Steel
Standard: IEC 670:1989

MOUNTING PLATES

56FA3B
Mounting plate-flush surround
IP56, 3 module
Dims: 338x141mm,
Fix Ctrs: 277x84mm
Mtg Box: (surface) 56E3
Material: Steel
Standard: IEC 670:1989

56FA4B
Mounting plate-flush surround
IP56, 4 module
Dims: 242x242mm,
Fix Ctrs: 181x181mm
Mtg Box: (surface) 56E4
Material: Steel
Standard: IEC 670:

ACCESSORIES

20MALE/20FEMALE
Adapter-earth lead
Dims: M20(Male)/M20(Female)
Material: Brass

56B BK
Bridging piece to fit enclosure
Material: Polycarbonate

56DV BK
Divider to fit enclosure
Material: Polycarbonate

56/3E10 GR
Terminal block-Earth
(accepts 3x6mm◊)
Material: Polycarbonate/Brass

56/3N10 BK
Terminal block-Neutral
(accepts 3x6mm◊)
Material: Polycarbonate/Brass

ACCESSORIES

56JB1 GY
Junction box + enclosure(accepts
3x6mm◊) IP66, 1 module
Dims: 101x101x91mm,
Fix Ctrs: 55x70&74x45mm
Surface mounting
Material: Polycarbonate
Standard: IEC 670:1989

56C31324ELGY

RCD SOCKET OUTLETS

56C3134EL GY
RCD socket outlet with enclosure IP66, DP 250V 13A 30mA 25A RCD 3 module 50Hz
Dims: 294x101x63mm,
Fix Ctrs: 55x260&75x235mm
Surface mounting
Material: Polycarbonate/PVC
Standard: BS EN 61008:1994,BS 1363 Pt2:1995

56C31324EL GY
RCD socket outlet with enclosure IP66, DP 250V 2x13A 30mA 40A RCD 4 module 50Hz
Dims: 198x198x91mm,
Fix Ctrs: 152x165&172x140mm
Surface mounting
Material: Polycarbonate/PVC
Standard: BS EN 61008:1994,BS 1363 Pt2:1995

56SW120LE RO

56SW220LE RO

56SW232LE RO

SWITCHES AND SWITCH DISCONNECTORS

56SW120LE RO
Switch IP66, SP 250V 20A AC23
1 way 1 module 50Hz
Dims: 95x95mm,
Fix Ctrs: 84x84mm
Mtg.Box: (surface) 56E1,
(flush) 56E1+56FA1+56FA1B
Material: Polyester
Standard: BS EN 60669-1

56SW220LE RO
Switch disconnector IP66,
DP 500/690V 20A AC23
1 module 50Hz
Dims: 95x95mm,
Fix Ctrs: 84x84mm
Mtg.Box: (surface) 56E1,
(flush) 56E1+56FA1+56FA1B
Material: Polyester
Standard: BS EN 60947-3:1992

56SW232LE RO
Switch disconnector IP66,
DP 500/690V 32A AC22
1 module 50Hz
Dims: 95x95mm,
Fix Ctrs: 84x84mm
Mtg.Box: (surface) 56E1,
(flush) 56E1+56FA1+56FA1B
Material: Polyester
Standard: BS EN 60947-3:1992

56SW320LE RO

56SW332LE RO

SWITCHES AND SWITCH DISCONNECTORS

56SW320LE RO
Switch disconnector IP66,
TP 500/690V 20A AC23
1 module 50Hz
Dims: 95x95mm,
Fix Ctrs: 84x84mm
Mtg.Box: (surface) 56E1,
(flush) 56E1+56FA1+56FA1B
Material: Polyester
Standard: BS EN 60947-3:1992

56SW332LE RO
Switch disconnector IP66,
TP 500/690V 32A AC22
1 module 50Hz
Dims: 95x95mm,
Fix Ctrs: 84x84mm
Mtg.Box: (surface) 56E1,
(flush) 56E1+56FA1+56FA1B
Material: Polyester
Standard: BS EN 60947-3:1992

56SW363LE RO
Switch disconnector IP66,
TP 500/690V 63A AC22
1 module 50Hz
Dims: 95x95mm,
Fix Ctrs: 84x84mm
Mtg.Box: (surface) 56E1,
(flush) 56E1+56FA1+56FA1B
Material: Polyester
Standard: BS EN 60947-3:1992

56SW320CLE RO

SWITCHES AND SWITCH DISCONNECTORS

56SW320CLE RO
Switch disconnector+2A auxiliary contact IP66, TP 500/690V 20A AC23 1 module 50Hz
Dims: 95x95mm,
Fix Ctrs: 84x84mm
Mtg.Box: (surface) 56E1,
(flush) 56E1+56FA1+56FA1B
Material: Polyester
Standard: BS EN 60947-3:1992

56P313 RO

56ES1 RO

56E1 RO

ACCESSORIES

56PBS1LE RO
Push button station IP66,
SP 250V 10A AC11@6A 1 way
1 module 50Hz
Dims: 95x95mm,
Fix Ctrs: 84x84mm
Mtg.Box: (surface) 56E1,
(flush) 56E1+56FA1+56FA1B
Material: Polyester
Standard: BS EN 60669-1:1996

56SO313LE RO
Socket outlet IP66, 250V 13A
1 module 50Hz
Dims: 95x95mm,
Fix Ctrs: 84x84mm
Mtg.Box: (surface) 56ES1,
(flush) 56ES1+56FA1+56FA1B
Material: Polyester
Standard: BS 1363 Pt.2:1995

56P313 RO
Plug IP66, 250V 13A cord grip
50Hz
Dims: Dia.78x110mm
Material: Polyester
Standard: BS 1363/A Pt1:1995

ENCLOSURES

56ES1 RO
Enclosure (surface mounting box)
1 module
Dims: 101x101x38mm,
Fix Ctrs: 74x45mm
Surface mounting
Material: Polyester
Standard: IEC 670:

56E1 RO
Enclosure (surface mounting box)
1 module
Dims: 101x101x63mm,
Fix Ctrs: 55x70&74x45mm
Surface mounting
Material: Polyester
Standard: IEC 670:1989

56E20 RO
Enclosure (surface mounting box)
2 module
Dims: 198x101x63mm,
Fix Ctrs: 55x165&75x140mm
Surface mounting
Material: Polyester
Standard: IEC 670:1989

56ES2 RO
Enclosure (surface mounting box)
2 module
Dims: 198x101x38mm,
Fix Ctrs: 74x140mm
Surface mounting
Material: Polyester
Standard: IEC 670:1989

TERMINAL BLOCK

56SOX KIT
Universal mounting kit
Dims: 95x95mm,
Fix Ctrs: 84x84mm
Mtg.Box: (surface) 56E1, (flush)
56E1+56FA1+56FA1B
Material: Polycarbonate
Standard: IEC 670:1989

E2431LC2

SCENEMASTER ENTRANCE SWITCH

(Designed to IEC60669-1, MS616, SS227)

E2431LC2
10A 1 gang 2 way entrance switch

E2400/3MCU5H

E2400HTX

SCENEMASTER LIGHTING CONTROLLER

(Designed to BS5518)

E24003MCU5H
Master control unit for 3 zones, 5 scenes of lighting

E2400HTX
Infrared remote control

E2400PB1200

SCENEMASTER POWER BOOSTER

(Designed to BS5733)

E2400PB1200
1200W power booster

E2400AM

SCENEMASTER FLUORESCENT INTERFACE

(Designed to IEC60928)

E2400AM
Fluorescent interface

E2752D400T, E2752D500T, E2752D600T

E2752T

REMOTE CONTROL DIMMER

(Designed to IEC60669-2-1, EMC Compliant)

E2752D400T
400W 1 gang IR remote control dimmer

E2752D500T
500W 1 gang IR remote control dimmer

E2752D600T
600W 1 gang IR remote control dimmer

E2752T
Infrared remote control transmitter

E2751/2, E2751

MOTION CONTROL SWITCHES

(Designed to IEC60669, BSEN60730-1)

E2751/2
1 gang 2 wire motion control switch *(For incandescent load)*

E2751
1 gang 3 wire motion control switch *(For fluorescent load)*

E2031ETRF60, E2031ETRF720

16A ELECTRONIC TIME DELAY SWITCHES

(Designed to IEC60669-2-1)

E2031ETRF60
Electronic time delay switch (1 - 60 minutes adjustable)

E2031ETRF720
Electronic time delay switch (1 - 12 hours adjustable)

E751, E751R

E750WPRGY

E751MB

INFRARED DETECTOR

(Designed to IEC60669-2-1)

E751
2A 250V ceiling type infrascan (indoor)

E751R
10A 250V ceiling type infrascan (indoor)

E750WPRGY
10A 250V ceiling & wall type infracan (outdoor)

E751MB
Mounting base for 751

3012MWE, 301ELMWE, 3012LMWE, 30MDWE

301NMWE

30HMDWE

10A SWITCH MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

301SMWE
10A 1 way 2 terminal

302SMWE
10A 2 way

301ELMWE
10A 1 way 4 terminal including 1 earth & 1 looping

3012LMWE
10A 1 way 4 terminal including 2 looping

30MDWE
10A 1 way DP

301NMWE
10A 1 way with neon

30HMDWE
10A 1 way DP marked “HEAT”

30MWE, 30MCOWE, 305MWE

30MRDWE

302NMWE

30MD2WE

10A SWITCH MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30MWE
10A 2 way 4 terminal

30MCOWE
10A 2 way 4 terminal change over

305MWE
10A 2 way 5 terminal

30MRDWE
10A 2 way - come with red dolly dot

302NMWE
10A 2 way with neon

30MD2WE
10A 2 way DP

30MIWE, 30FLMWE

39MWE

39MAOMWE

39MSONWE

10A SWITCH MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30MIWE
10A intermediate

30FLMWE
10A switch mechanism
(For fluorescent loads only)

39MWE
10A 3 position 4 terminal
“LO - OFF - HI”

39MAOMWE
10A 3 position 4 terminal
“AUTO - OFF - MAN”

39MSONWE
10A 3 position 4 terminal
“SENSOR - OFF - ON”

302NMSENWE

302NMOSWE

10A ILLUMINATED SWITCH MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

302NMSENWE
10A 2 way with neon & marked “SENSOR”

302NMOSWE
10A 2 way with neon & marked “OUTSIDE”

SPECIAL ORDER
Extended lead times may apply.

30M15WE, 30FLM15WE, 30MD15WE

15A SWITCH MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30M15WE
15A 2 way 4 terminal

30FLM15WE
15A switch mechanism
(For fluorescent loads only)

30MD15WE
15A DP

30M20WE, 30MD20WE

30TKMWE

30M35WE

20A & 35A SWITCH MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30M20WE
20A 2 way 4 terminal

30MD20WE
20A DP

30TKMWE
20A 2 way toggle key actuated

30M35WE
35A 2 way 4 terminal

30TK3WE
Spare key for 30TKM

30MBP23JWE, 30MBPJWE

3A & 15A BELL PUSH MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30MBP23JWE
3A 250V bell push button

30MBPJWE
15A 440V bell push button

30MBPWE

30MBPNWE, 30MBPN12WE, 30MBPN24WE

15A BELL PUSH MECHANISMS *(Designed to IEC60669-1, MS616, SS227)*

30MBPWE
15A 440V bell push button

30MBPNWE
15A 250V push button with neon

30MBPN12WE
15A 12V push button with neon

30MBPN24WE
15A 24V bell push button
with neon

30MBPRWE

10A BELL PRESS MECHANISM

(Designed to IEC60669-1, MS616, SS227)

30MBPRWE
10A bell press button marked “PRESS”

30N, 30N12, 30N24, 30N110

30N, 30N12, 30N24, 30N110

30N, 30N12, 30N24, 30N110

NEON INDICATOR MECHANISMS

(Designed to BS5733)

30N
250V neon indicator mechanism

30N12
12V neon indicator mechanism

30N24
24V neon indicator mechanism

30N110
110V neon indicator mechanism

Note: Neon indicator mechanisms are available in red (RD), green (GR), blue (BU), clear (TR) & amber (AM).

30RSM2WE, 30RSM3WE

15A ROTARY MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30RSM2WE
15A 2 position - 2 ON, 2 OFF

30RSM3WE
15A 3 position - 3 ON, 1 OFF

30ACMWE

30AMWE

30AUMWE

30BMWE

10A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30ACMWE
10A 2 way marked “AIR CON”

30AMWE
10A 2 way marked “ALARM”

30AUMWE
10A 2 way marked “AUTO”

30BMWE
10A 2 way marked “BATH”

SPECIAL ORDER
Extended lead times may apply.

10A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30BDMWE
10A 2 way marked “BED”

30BD1MWE
10A 2 way marked “BED 1”

30BD2MWE
10A 2 way marked “BED 2”

30BD3MWE
10A 2 way marked “BED 3”

SPECIAL ORDER
Extended lead times may apply.

10A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30BD4MWE
10A 2 way marked “BED 4”

30COMWE
10A 2 way marked “COOL”

30DNMWE
10A 2 way marked “DAY NIGHT”

30DMWE
10A 2 way marked “DINE”

SPECIAL ORDER
Extended lead times may apply.

10A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30PMWE
10A 2 way marked “DISPOSAL”

30EMWE
10A 2 way marked “EXHAUST”

30FAMWE
10A 2 way marked “FAMILY”

30FMWE
10A 2 way marked “FAN”

SPECIAL ORDER
Extended lead times may apply.

10A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30MFRWE
10A 2 way marked “FORWARD REVERSE”

30MFDWE
10A 2 way marked “FRIDGE”

30HMWE
10A 2 way marked “HEAT”

30LHMWE
10A 2 way marked “HI LO”

SPECIAL ORDER
Extended lead times may apply.

30KMWE

30LMWE

30LOMWE

30MAMWE

10A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30KMWE
10A 2 way marked “KITCHEN”

30LMWE
10A 2 way marked “LIGHT”

30LOMWE
10A 2 way marked “LOUNGE”

30MAMWE
10A 2 way marked “MAN-AUTO”

SPECIAL ORDER
Extended lead times may apply.

30MMWWE

30FNMWE

30MOSWE

30PUMWE

10A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30MMWWE
10A 2 way marked “MICROWAVE”

30FNMWE
10A 2 way marked “ON OFF”

30MOSWE
10A 2 way marked “OUTSIDE”

30PUMWE
10A 2 way marked “PUMP”

SPECIAL ORDER
Extended lead times may apply.

30RUMWE

30MSENWE

30STMWE

30TMWE

10A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30RUMWE
10A 2 way marked “RUMPUS”

30MSENWE
10A 2 way marked “SENSOR”

30STMWE
10A 2 way marked “STUDY”

30TMWE
10A 2 way marked “TV”

SPECIAL ORDER
Extended lead times may apply.

30XMWE

30YMWE

30MZ1WE

30MZ2WE

10A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30XMWE
10A 2 way marked “WASTE”

30YMWE
10A 2 way marked “WASH”

30MZ1WE
10A 2 way marked “ZONE 1”

30MZ2WE
10A 2 way marked “ZONE 2”

SPECIAL ORDER
Extended lead times may apply.

30MZ3WE

30MZ4WE

10A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30MZ3WE
10A 2 way marked “ZONE 3”

30MZ4WE
10A 2 way marked “ZONE 4”

SPECIAL ORDER
Extended lead times may apply.

30M16FRWE

30M16FDWE

30M16MWWE

30M16OSWE

16A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30M16FRWE
16A marked “FORWARD REVERSE”

30M16FDWE
16A marked “FRIDGE”

30M16MWWE
16A marked “MICROWAVE”

30M16OSWE
16A marked “OUTSIDE”

SPECIAL ORDER
Extended lead times may apply.

30M16SENWE

16A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30M16SENWE
16A marked “SENSOR”

SPECIAL ORDER
Extended lead times may apply.

30M20HWWE

30M35HOBWE

30M35OVWE

30M35RWE

20A & 35A MESSAGE MECHANISMS

(Designed to IEC60669-1, MS616, SS227)

30M20HWWE
20A marked “HOT WATER”

30M35HOBWE
35A marked “HOB”

30M35OVWE
35A marked “OVEN”

30M35RWE
35A marked “RANGE”

SPECIAL ORDER
Extended lead times may apply.

30ENLMWE

30ET36MWE

30ET6HMWE

30EDMWE

SMARTMEKS MECHANISMS
(For incandescent only)

30ENLMWE
250V 24 minute dimming night switch

30ET36MWE
250V 36 minute timer auto - off

30ET6HMWE
250V 6 hour timer (“Courtesy” on - off)

30EDMWE
250V 4 stage dimmer night switch

SPECIAL ORDER
Extended lead times may apply.

32400M, 32400FM

30POTFM

32V400F-KB

32V400FM K

FAN MECHANISMS
(Designed to BS5518)

32400M
400VA ceiling sweep fan controller mechanism

32400FM
400VA universal fan speed controller mechanism

30POTFM
400VA remote fan speed control potentiometer

32V400F-KB
400VA fan speed controller knob

32V400FMK
400VA fan controller unit

LIGHT MECHANISMS
(Designed to BS5518)

32E450LMWE
400VA dimmer to suit low voltage lighting transformer

32E450TMWE
400VA dimmer to suit low voltage transformer trailing edge

32500M
500VA incadescent

32V500M2K
500W dimmer mechanism

30POTDM
Remote dimmer control with potentiometer mechanism

30P

30PID

MOULDED REMOVABLE PLUGS

30P
Plain

30PID
10A 2 way ID circuit plug (Tamper proof)

38TB

38, 38Z

38HD

CABLE CONNECTION ACCESSORIES

(Designed to BS5733)

38TB
Grommet with 25A terminal block

38
Cord grommet for up to 2.5mm^2 light duty flex

38Z
Cord grommet for up to 0.75mm^2 light duty flex

38HD
Cord grommet for up to 2.5mm^2 ordinary duty with clamp

B30GFZ

F30Z1, F30Z1.5, F30Z2, F30Z3, F30Z4

MOUNTING CLIPS

B30GFZ
Back mounting clip moulded surround

F30Z1
Suits 1mm metal plate - front mounting

F30Z1.5
Suits 1.5mm metal plate - front mounting

F30Z2
Suits 2mm metal plate - front mounting

F30Z3
Suits 3mm metal plate - front mounting

F30Z4
Suits 4mm metal plate - front mounting

9

SCREW AND CAPS

31J
Security screws

9
White screw caps - plain

30RJ88SMB5SH

30RJ SERIES SOCKET MECHANISM CATEGORY 5

30RJ88SMB5SH
Voice data mechanism with shutter

30RJA5CT

30RJA5CTB

30RJ SERIES SOCKET MECHANISM - CATEGORY 5

30RJA5CT
Connection tool with blade

30RJA5CTB
Connection tool with spare blade

30TV75M

30TV75MS

TV ACCESSORIES

30TV75M
75 ohm crimp type TV antenna socket

30TV75MS
75 ohm crimp type - screw fixed TV antenna socket

30TV75P

TV ACCESSORIES

30TV75P
75 ohm coaxial cable plug

30TV75S

30TV75MF

30TV75MACF

30PFM

TV ACCESSORIES

30TV75S
75 ohm coaxial cable surface socket

30TV75MF
75 ohm “F” type connection TV antenna socket

30TV75MACF
75 ohm TV antenna socket with 3 kV AC isolation

30PFM
75 ohm with “F” type connection for “PAY TV”

30SFM

SURGE FILTER MECHANISM

30SFM
250V metal oxide varistor surge filter

STAINLESS STEEL MULTI-GANG SWITCH PLATES

(Designed to BS5733)

4 GANG TO 8 GANG

B4302
4 gang 2x2 switch plate only

B6303
6 gang 3x2 switch plate only

B8304
8 gang 4x2 switch plate only

STAINLESS STEEL MULTI-GANG SWITCH PLATES

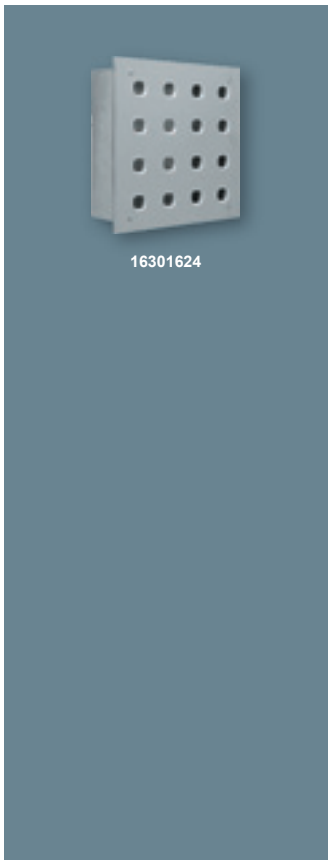
(Designed to BS5733)

10 GANG TO 12 GANG

B10305
10 gang 5x2 switch plate only

B12306
12 gang 6x2 switch plate only

12301623
12 gang 3x4 switch plate only



STAINLESS STEEL MULTI-GANG SWITCH PLATES

(Designed to BS5733)

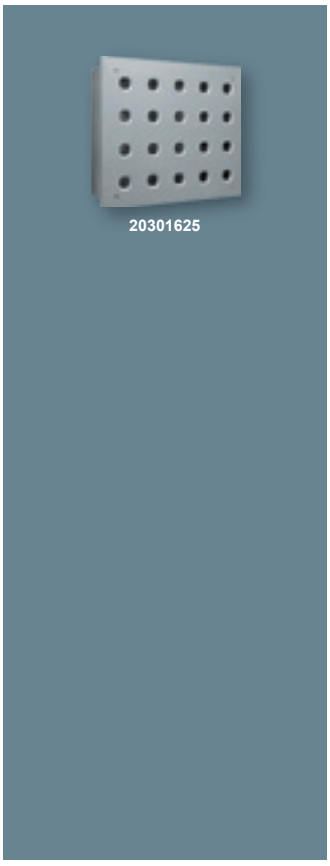
14 GANG TO 18 GANG

14307
14 gang 7x2 switch plate only

16308
16 gang 8x2 switch plate only

16301624
16 gang 4x4 switch plate only

18309
18 gang 9x2 switch plate only



STAINLESS STEEL MULTI-GANG SWITCH PLATES

(Designed to BS5733)

20 GANG TO 28 GANG

203010
20 gang 10x2 switch plate only

20301625
20 gang 5x4 switch plate only

223011
22 gang 11x2 switch plate only

243012
24 gang 12x2 switch plate only

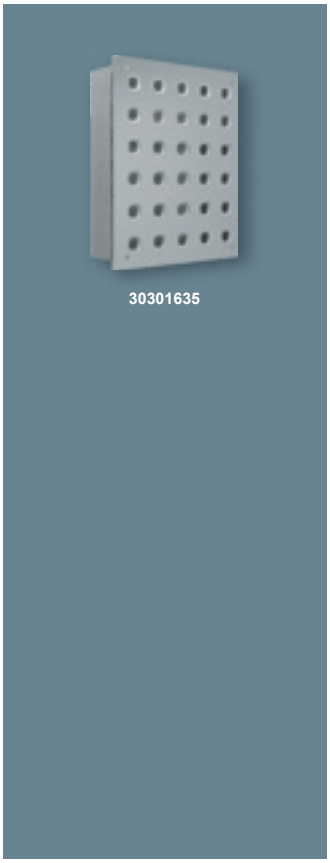
24301626
24 gang 6x4 switch plate only

24301634
24 gang 4x6 switch plate only

263013
26 gang 13x2 switch plate only

283014
28 gang 14x2 switch plate only

28301627
28 gang 7x4 switch plate only



STAINLESS STEEL MULTI-GANG SWITCH PLATES

(Designed to BS5733)

30 GANG TO 40 GANG

303015
30 gang 15x2 switch plate only

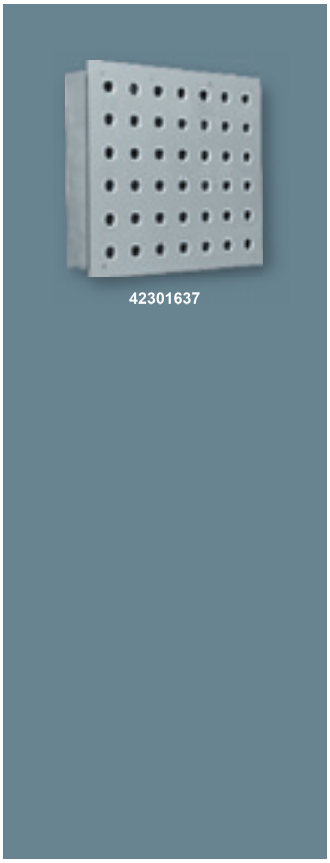
30301635
30 gang 5x6 switch plate only

32301628
32 gang 8x4 switch plate only

36301629
36 gang 9x4 switch plate only

36301636
36 gang 6x6 switch plate only

403016210
40 gang 10x4 switch plate only



STAINLESS STEEL MULTI-GANG SWITCH PLATES

(Designed to BS5733)

42 GANG TO 50 GANG

403016210
40 gang 10x4 switch plate only

42301637
42 gang 7x6 switch plate only

443016211
44 gang 11x4 switch plate only

483016212
48 gang 12x4 switch plate only

48301638
48 gang 8x6 switch plate only

STAINLESS STEEL MULTI-GANG SWITCH PLATES

(Designed to BS5733)

52 GANG TO 72 GANG

523016213
52 gang 13x4 switch plate only

54301639
54 gang 9x6 switch plate only

563016214
56 gang 14x4 switch plate only

603016215
60 gang 15x4 switch plate only

603016310
60 gang 10x6 switch plate only

663016311
66 gang 11x6 switch plate only

723016312
72 gang 12x6 switch plate only

BC LAMP HOLDERS

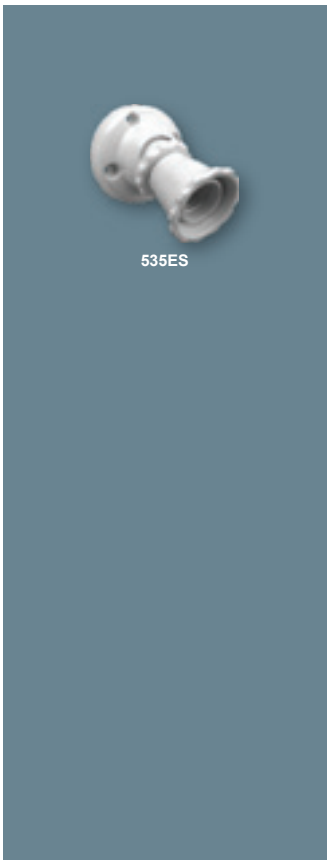
(Designed to BS5042, IEC61184)

501S
3A 250V 3 piece cord grip lamp holder with short skirt

501ES
4A 250V Edison screw lamp holder

BC BATTEN HOLDERS

E94 WE
BC batten lampholder
T2 rated IP4X,
250V 6A Earth terminal 50Hz
Dims: Dia.86x76mm,
Fix Ctrs: 50&59mm
Ceiling mounting
Material: Polycarbonate
Standard: BS EN 61184:1997



ES BATTEN HOLDERS

535ES
ES batten type adjustable lamp holder

PENDANTS

E93PS6 WE
Pendant set 6” T2 rated IP4X
250V 6A Earth terminal 50Hz
Dims: Dia.86x250mm,
Fix Ctrs: 50&59mm
Ceiling mounting
Material: Polycarbonate
Standard: BS EN 61184:1997,
BS 67:1987

E93PS9 WE
Pendant set 9” T2 rated IP4X
250V 6A Earth terminal 50Hz
Dims: Dia.86x330mm,
Fix Ctrs: 50&59mm
Ceiling mounting
Material: Polycarbonate
Standard: BS EN 61184:1997,
BS 67:1987

E501SS WE
BC pendant lampholder
T2 rated IP4X
250V 6A 50Hz
Dims: Dia34x58mm
Material: Polycarbonate
Standard: BS EN 61184:1997
(BS 5042:1987,T2)

E93 WE
Ceiling rose IP4X
250V 6A Earth terminal 50Hz
Dims: Dia.86x32mm,
Fix Ctrs: 50&59mm
Ceiling mounting
Material: Polycarbonate
Standard: BS 67:1987

755, 755L

756

SMOKE DETECTORS

755
250V smoke detector with battery backup

755L
250V smoke detector with lithium battery backup

756
Isolation unit for smoke detector

EP5

EP15

PLUGS

EP5
250V 5A plug
(Designed to BS546)

EP15
250V 15A plug
(Designed to BS546)

E417

SAFETY COVER

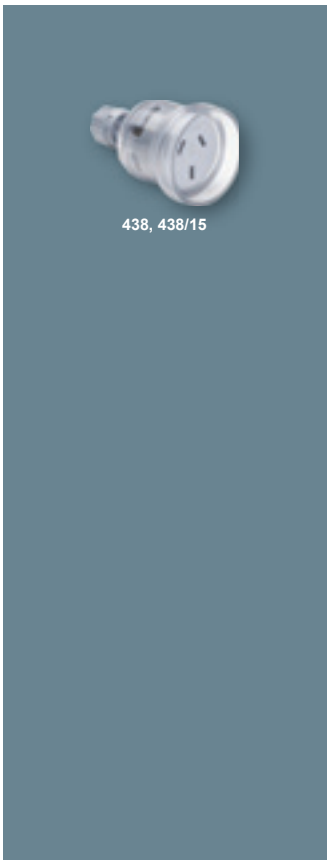
E417
13A safety cover

EPB4NSF

TRAILING SOCKETS

(Designed to BS5733)

EPB4NSF
13A 4 gang main switched & surge-protected trailing socket with shutter, neon & 3 metre cable



CORD EXTENSION SOCKETS

438
10A 3 pin cord extension socket

438/15
15A 3 pin cord extension socket

METAL MOUNTING BOXES
(Designed to BS4662)

E157
1 gang metal mounting box

E157E
1 gang metal mounting box with earth

157/1
1 gang 54 x 94 x 43mm metal mounting box

158
1 gang 28 x 67 x 32mm architrave metal mounting box

ET157DE
2 single gang deep metal mounting with earth

RIGID PVC ADAPTABLE BOXES

2655
211(L) x 108(W) x 81(D)mm rigid PVC adaptable box with sealing gasket

2657
300(L) x 200(W) x 152(D)mm rigid PVC adaptable box with sealing gasket

2657D
300(L) x 200(W) x 200(D)mm rigid PVC adaptable box with sealing gasket

SURFACE MOUNTED BOXES
(Designed to BS4662)

E238E
35mm deep surface mounted box with earth terminal

E23820
35mm deep surface mounted box with 4 lockouts (20mm)

E23820H
35mm deep surface mounted box with 3 lockouts & 1 entry (20mm)

E2382
2 single gang surface mounted box

SURFACE MOUNTED BOXES

(Designed to BS4662)

238
1 gang surface mounted box
(Australia Standard)

ET238E
2 gang surface mounted box

ET238D
Surface mounted box
(For shaver outlet)

E449AS
Converts 1 gang flush to 2 gang surface mounted spacer

ARCHITRAVE MOUNTING BLOCKS

701
1 gang mounting block

702
2 gang mounting block

703
3 gang mounting block

ARCHITRAVE MOUNTING BLOCKS

E702
Mounting block
(For EA2031, EA2032)

E704
Mounting block
(For EA2033, EA2034)

PVC FLUSH MOUNTING WALL BOXES

(Designed to BS4662)

E257SBE
1 gang wall box with brass insert & earth, depth 35mm

E257DBE
1 gang wall box with brass insert, earth, 20mm & 25mm knockouts, depth 47mm

E257DBE20
1 gang wall box with brass insert, earth & 20mm knockouts, depth 47mm

ET257BE
2 gang wall box with brass insert & earth, depth 35mm

ET257DBE
2 gang wall box with brass insert & earth, depth 47mm

Colour	Code	Product																
		E-Series	Mechs	E-1000 Series	E-2000 Series	E-3000 Series	E-2000 Frames	Spectra ***	Classic range bases	Classic range housings	Classic mounting blocks	56 Range *	Converta	Gainsborough	Metalclad inserts	C-Bus	Saturn	Neos **
White	WE	✓	✓	✓	✓	✓	✓		✓				✓		✓			
Red	RD	✓	✓				✓											
Black	BK	✓	✓		✓		✓		✓						✓			
Dark blue	DB	✓	✓				✓											
Yellow	YL	✓	✓				✓											
Beige	BG	✓	✓															
Desert sand	DS	✓	✓				✓											
Dark brown	BR	✓	✓				✓											
Classic gold	CGE						✓											
Marble green	CGM						✓											
Gun metal	CUE						✓											
Checkers	CCA						✓											
Mahogany wood	CMW						✓											
Burgandy	BGD						✓											
Rose pink	PS						✓											
Polar blue	PB						✓											
Mirror silver	CSE						✓											
Purple dream	CPA						✓											
Soft grey	SG						✓											
Brazilian black marble	CBM						✓											
White marble	CWM						✓											
Birdseye wood	CBW						✓											
Dancing rain	CDA						✓											
Polished brass										✓								
Antique brass										✓								
Chrome										✓								
Pine	PN										✓							
Cedar	CD										✓							
Primed	UC										✓							
Stainless steel														✓				
Gold														✓				
Brass														✓				
Resistant orange	RO											✓						
Grey battleship	GB					✓												✓
Glass front	GF																✓	

*
56 Series colours are resistant specific, please contact Clipsal

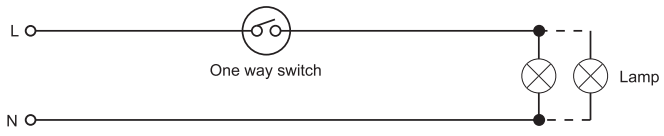
**
For inner and outer surrounds and rocker packs, please contact Clipsal

***
Spectra is on a bespoke order basis only, please contact Clipsal

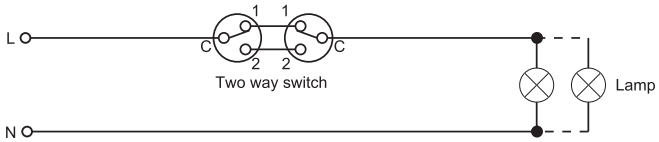
FLUSH SWITCHES

Flush Switches

1. ONE WAY WIRING DIAGRAM

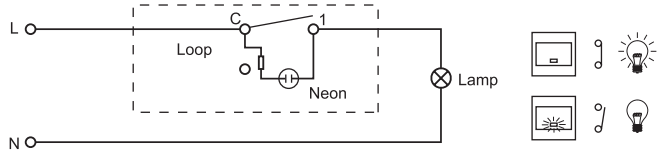


2. TWO WAY WIRING DIAGRAM

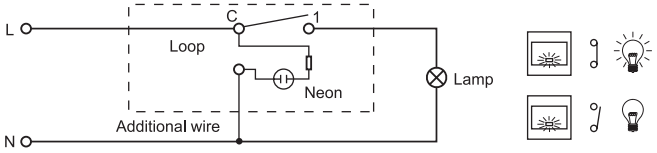


One Way Circuit with Neon Indicator

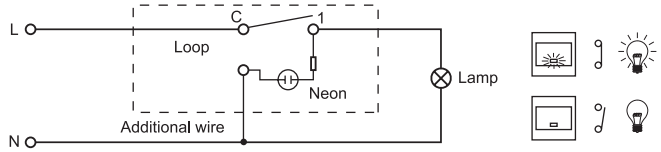
1. NEON AS ORIENTATING INDICATOR



2. NEON ALWAYS ON

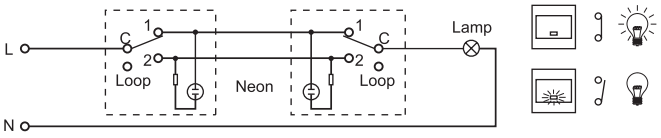


3. NEON AS OUTPUT INDICATOR

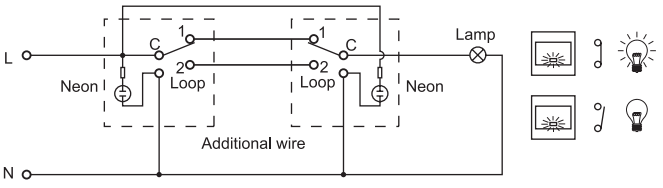


Two Way Circuit with Neon Indicator

1. NEON AS ORIENTATING INDICATOR



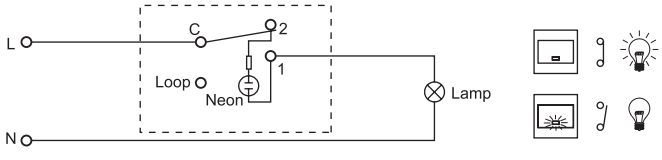
2. NEON ALWAYS ON



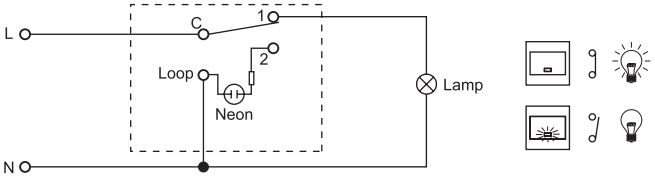
FLUSH SWITCHES

Two Way Switch Connected in One Way Circuit

1. NEON AS ORIENTATING INDICATOR

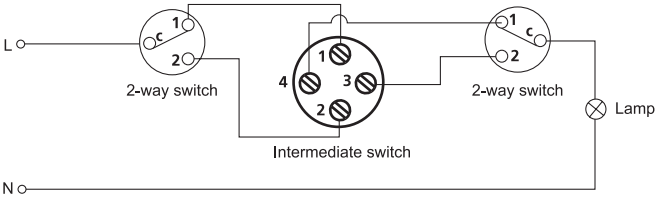


2. NEON AS ORIENTATING INDICATOR



Intermediate Switch

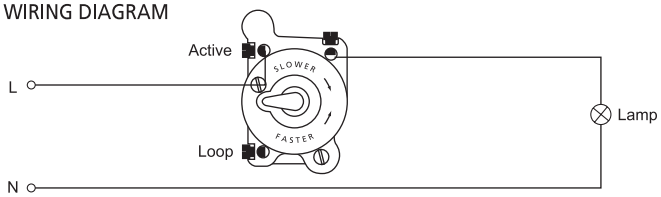
WIRING DIAGRAM



Use this intermediate switch for a 3-way switching design only and in accordance with the schematic wiring on the left. We do not recommend using it in any other applications, as it changes the polarity of a circuit that may cause danger to life and/or damage to appliances.

Pneumatic Time Delay Switch

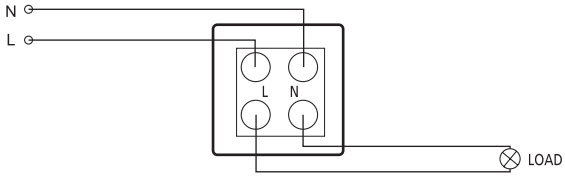
WIRING DIAGRAM



Turn on the timer by pressing the button in. The switch will stay on until the button returns out and the time delay can be adjusted from 2 to 10 minutes. For adjustment, carefully rotate arm at rear of switch by small increments.

Double Pole Switch

WIRING DIAGRAM



CLIPSAL®

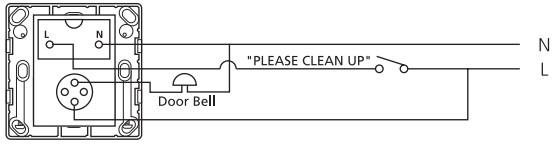
FLUSH SWITCHES

Hotel SKUs

WIRING DIAGRAM

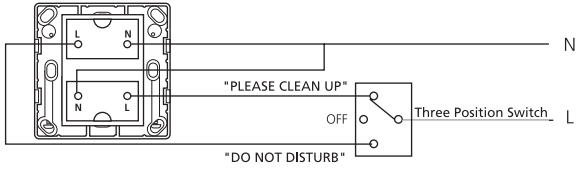
1 - Bell push switch with illuminated
"Please Clean Up" symbol

Cat.No.E2031BPM



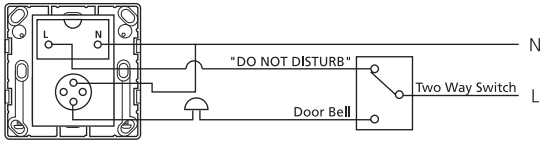
2 - Illuminated "Do Not Disturb" &
"Please Clean Up" symbol

Cat.No.E2032VDM & E2032DMH



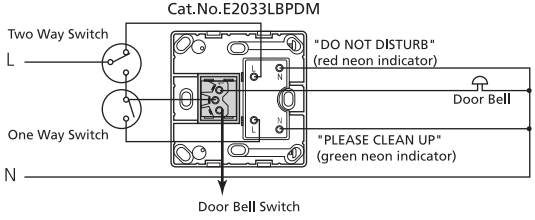
3 - Bell push switch with illuminated
"Do Not Disturb" symbol

Cat.No.E2031BPD



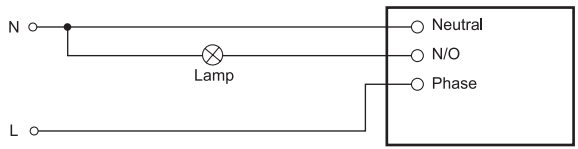
4 - Entrance Bell Press & Message Panel

Cat.No.E2033LBPDM



Electronic Time Delay Switches

WIRING DIAGRAM



TIME DELAY ADJUSTMENT

Trim Pot adjustment - the time delay is adjusted from the minimum position to the maximum position in the clockwise direction.

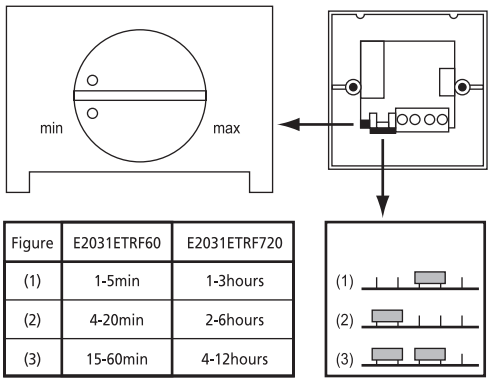
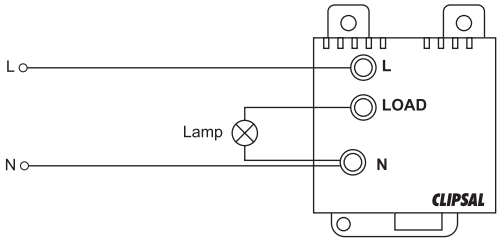


Figure	E2031ETRF60	E2031ETRF720
(1)	1-5min	1-3hours
(2)	4-20min	2-6hours
(3)	15-60min	4-12hours

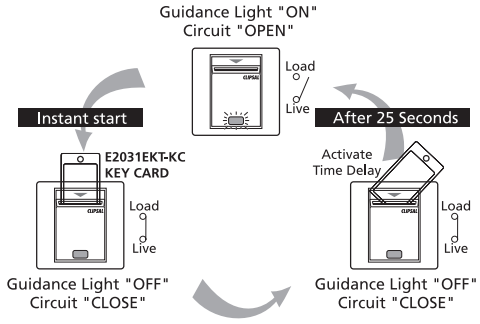
Movable Link Arrangement - the unit is factory set at the smallest time range. To achieve different time ranges, rearrange the links as shown above.

Electronic Key Card Switch

WIRING DIAGRAM



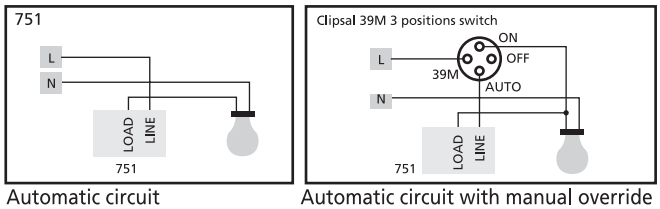
OPERATION



ELECTRONIC SWITCHES

Infrared Detector(Ceiling Mount)

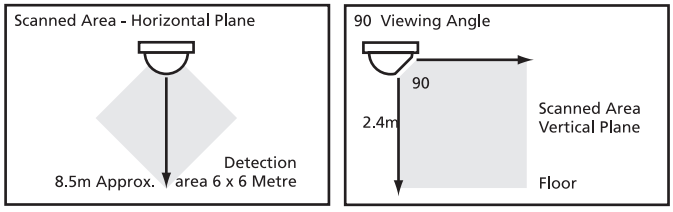
1. 751 wiring diagram



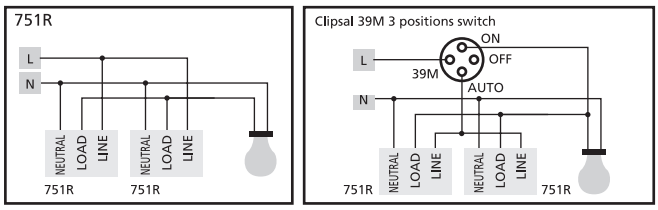
Automatic circuit | Automatic circuit with manual override

751 series detectors are automatic light switches that instantly activate lighting in response to body movement within a specified detection zone. Once the area is vacated, the same lights are turn off after an adjustable time delay period. 751R is designed for link up operation to enlarge the detection field.

Detection area



2. 751R wiring diagram



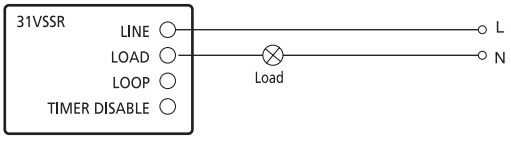
Automatic circuit | Automatic circuit with manual override

Specifications

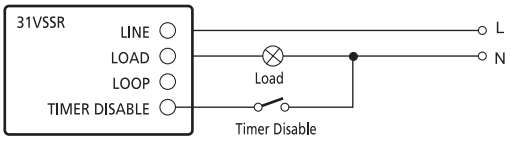
Cat. no.	751	751R
Voltage	192 - 264V ac 50Hz	
Max. load current	2A	10A
Min. load current	40mA	-
Detection method	Passive infrared detection of thermal radiation	
Load type	Incandescent & fluorescent loads	
Time delay	5sec. - 20min. (adjustable)	
Detection area	6x6m, 90 from sensor head (Rotatable thought 120 when installed)	
Installation height	2.4m with sensor head vertical	
Standby current	2mA	
Operating light level	Full light to below 1 lux	

Sunset Switch

AUTOMATIC OPERATION
(TIMER ENABLED) WIRING DIAGRAM

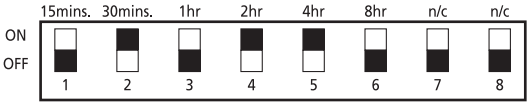


TIMER DISABLED WIRING DIAGRAM



It operates lighting loads automatically when the ambient light level falls below 10 lux, at around sunset. The light will then turn off when the light level exceeds 30 lux or until the pre-set timer period has elapsed. It is recommended that the switch is positioned on any exterior surface facing away from direct artificial light and sunlight as this may cause the unit to exceed the maximum operating temperature.

Setting the Timer



Total time set is 4hr + 2hr + 30min = 6 hours and 30 minutes.

In order to add the appropriate time interval to the total timeout period the appropriate switch must be turned on. The total timeout period will be equal to the sum of all the time intervals assigned to the switches in the ON position. Do not set all the timer switches to 'OFF', as it will cause the unit to stop operating.

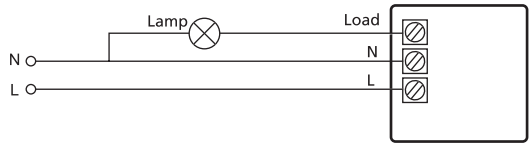
Specifications

Operating Voltage Range	192-265V a.c. 50Hz
Load Type	Incandescent & fluorescent loads
Max. Load Current	10A
Standby Current	8.2mA
Time Range	15min. - 15 hours and 45min.
Time Accuracy	±15%

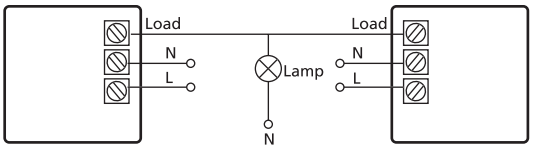
ELECTRONIC SWITCHES

Motion Control Switch

Three-wire switch wiring diagram
One way wiring

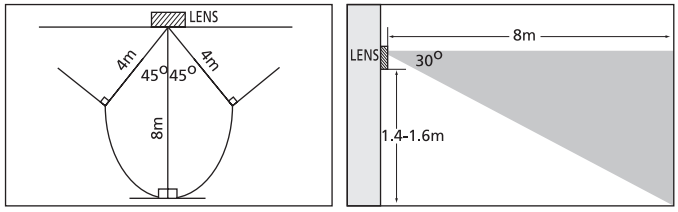


Multi-point control



The motion control switch is an automatic light switch that instantly activates lighting in response to body movement within a specified detection zone. Once the area is vacated, the same lights are turned off after an adjustable time delay period. The motion sensor will be deactivated when the manual override button is pushed to "DOWN" position and the lights will be continuously switched on. The sensor can detect the environmental brightness level and adjust to turn on with a specified ambient light level.

Detection area

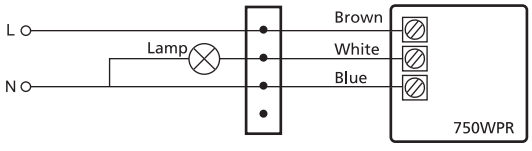


Specification

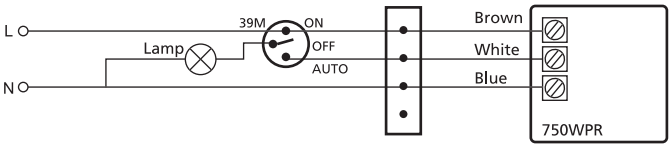
Cat. no.	E2751
Voltage	220 - 240V ac 50Hz
Power rating	1000VA
Load type	Incandescent & fluorescent loads load
Standby current	around 30mA
Detection method	Passive infrared detection of thermal radiation
Switch-off time delay	18-220 sec. (±35%)
Operating light level	10-500 lux ±20%
Detection range	Horizontal range : 8m at 90 to 4m at ±45 Vertical range : 8m at 0 to 30
Installation height	1.4 to 1.6m, height that moving bodies reach

Weather Proof Infrared Detector

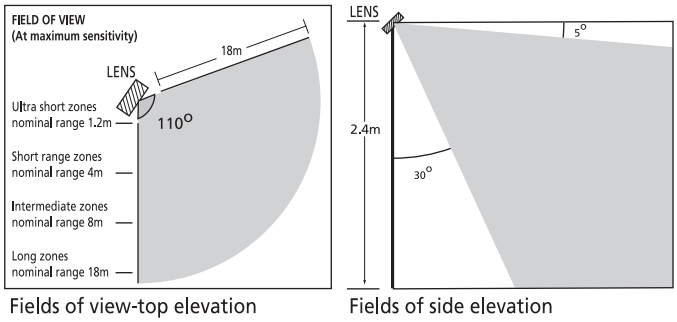
WIRING DIAGRAM
Automatic Circuit



Automatic Circuit with manual override



Detection area



Fields of view-top elevation

Fields of side elevation

Specification

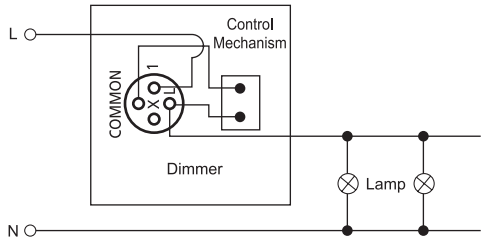
Cat. no.	750WPR
Voltage	200-265V ac 50Hz
Max. load current	10A
IP protection rating	IP66
Detection method	Passive infrared detection of thermal radiation
Detection range	18m radius x 110
Installation height	2.4m with sensor head vertical
Time delay	5 sec. - 8 min. (adjustable)
Operating light level	Full light to below 1 lux

DIMMER SWITCHES

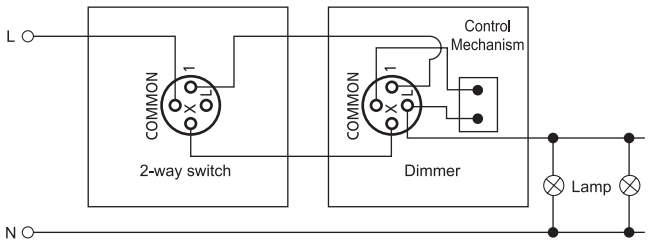
500W Dimmer Switch

WIRING DIAGRAM

1. ONE WAY WIRING DIAGRAM



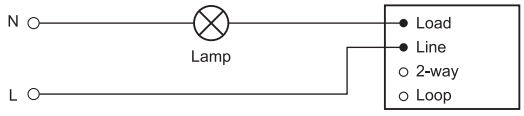
2. TWO WAY WIRING DIAGRAM



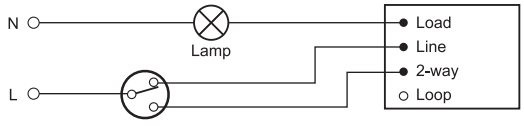
1000W Dimmer Switch

WIRING DIAGRAM

1. ONE WAY WIRING DIAGRAM



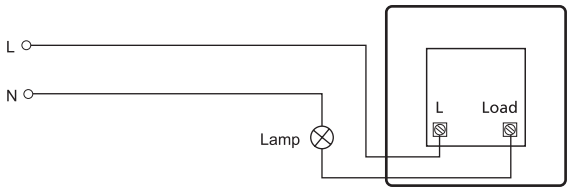
2. TWO WAY WIRING DIAGRAM



This dimmer is designed to control incandescent loads from 60W to 1000W maximum. The dimmer is switched on & off is by pushing the knob, brightness is adjusted by rotation of the control knob - clockwise for bright and anti-clockwise for dim.

Fused Dimmer Switch

WIRING DIAGRAM



A large control knob of the dimmer allows simple operation by combining together the function of light level adjustment and on/off switch. The dimmer is also fuse-protected to prevent device damage from an overcurrent fault.

Specifications

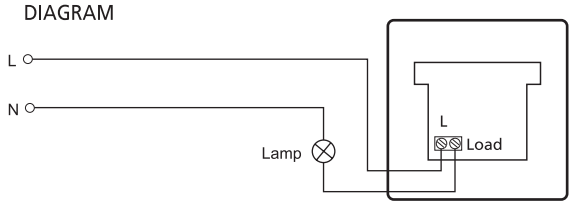
Cat. No.	E1031V600	E1031VE400
Voltage	200-250v a.c.	
Power Rating	40-600W	60-400W
Load Type	Incandescent lamp only	
Dimension	87x87x40mm	87x87x50mm
Operating Temperature	0-35 C	
EMC Compliance	No	Yes

DIMMER SWITCHES

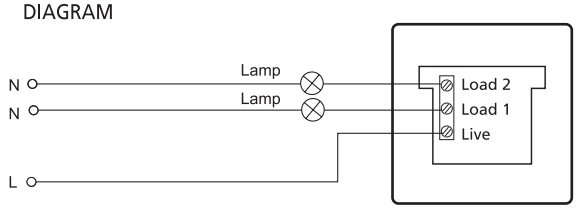
Electronic Dimmer Switch

WIRING DIAGRAM

1. ONE GANG ONE WAY WIRING DIAGRAM



2. TWO GANG ONE WAY WIRING DIAGRAM



Single quick press for light on/off, press and hold to activate continuing ramping cycle. The switch incorporates a surge filter for instantaneous surge protection and built-in memory to restore previous light level.

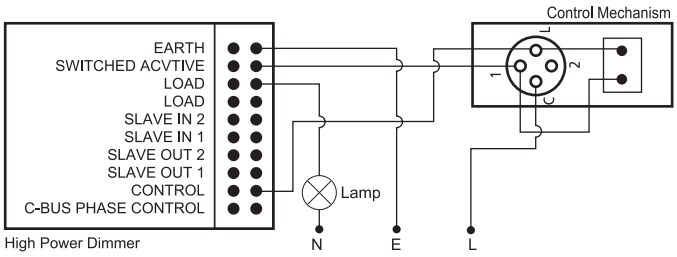
Specifications

Cat. No.	E2031LPD600	E2032LPD400
Description	1G Dimmer	2G Dimmer
Voltage	200-250v a.c. 50/60Hz	
Power Rating	40-600W	40-400W x 2 channels
Load Type	Incandescent lamp only	
Standby Current	⩽ 13mA	
Dimension	87x87x40mm	87x87x50mm
Mounting Wall Box	25mm deep or above	35mm deep or above
Operating Temperature	0-35 C	0-30 C
Compliance	BS5518	

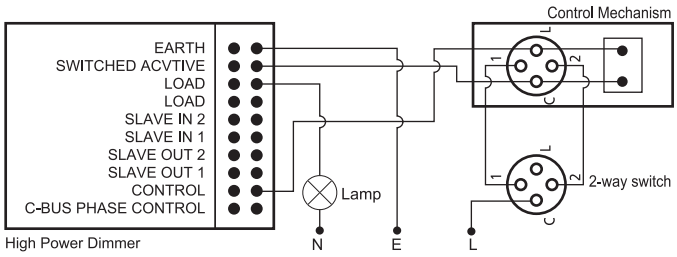
DIMMER SWITCHES

High Power Dimmer Switch

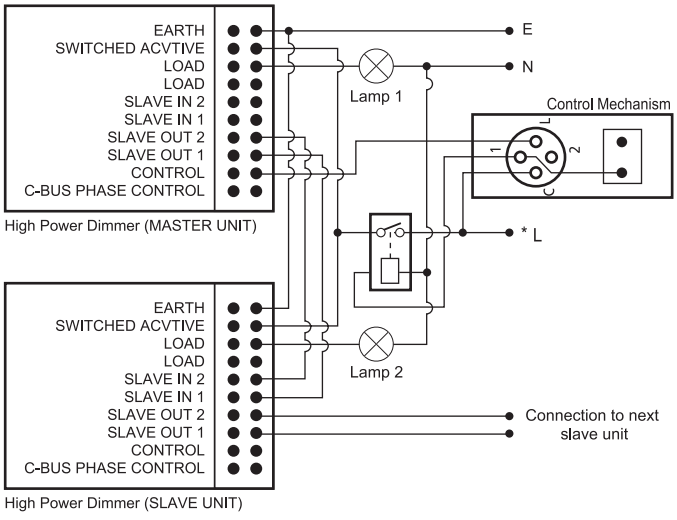
1. BASIC WIRING DIAGRAM



2. TWO WAY SWITCHING OPTION WIRING DIAGRAM

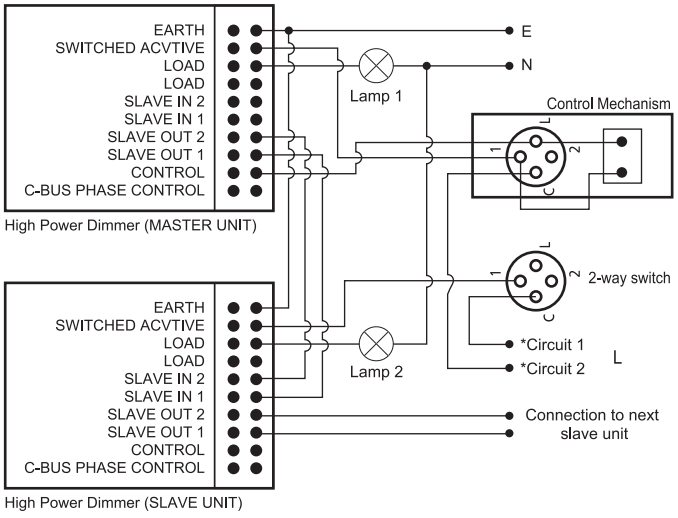


3. MASTER-SLAVE CONFIGURATION USING A CONTACTOR TO SWITCH ACTIVE WIRING DIAGRAM



* Note: The supply of control mechanism and the contactor must be the same phase

4. MASTER-SLAVE CONFIGURATION USING A SECOND SWITCH WIRING DIAGRAM



* Note: Dimmers may be operated from separately fused circuits of the same phase

Clipsal high power dimmer controls load from 40VA up to 3600VA. The new facility of the dimmer allows units to be strung together in master-slave configuration. The slave unit can either be controlled by a contactor to switch active or a second control switch in master-slave mode. When operating in master-slave mode, the slave unit does not have any connection to the control terminal and the minimum brightness adjustment is controlled via the trimpot available in the master control's mechanism.

Thermal Cut-Out

Built into the high power dimmer is a thermal cut-out protection circuit which allows the unit to effectively reduce the load current if the temperature inside the enclosure exceeds 60°C. If this becomes activated for any reason, the unit will reduce the maximum brightness for as long as the temperature is above limits.

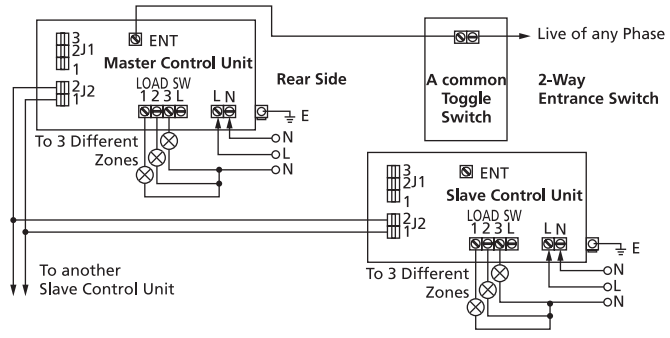
Specifications

Dimensions	Dimmer : 248mm x 150mm x 55mm Remote control : 50mm x 22mm x 22mm
Voltage	240V a.c. 50Hz
Maximum Load	Resistive Load : 15A, max ambient 50 C Inductive Load : 15A at 0.6PF, max. ambient 40 C
Minimum Load	0.17A
Max. Half Cycle Surge	250A r.m.s.
Let Through Energy withstand	$360A^2$ sec

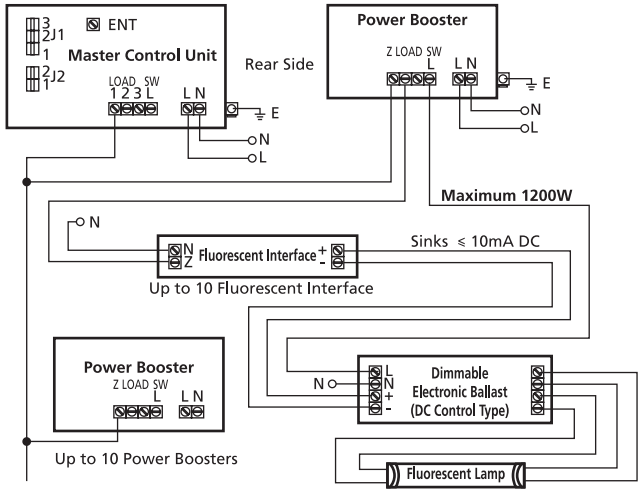
DIMMER SWITCHES

SceneMaster Lighting Controller

WIRING DIAGRAM
Master-Slave Configuration



Configuration using power booster & fluorescent interface



SceneMaster is a lighting controller which provides a simple and convenient method to preset and recall various scenarios to suit different activities.

Master Control Unit E2400/3MCU5
-Supplies power and controls brightness of up to 3 zones of lighting (expandable to maximum of 18 zones).
-Five preset scenarios to suit different activities in a defined area.
-Allows IR remote control for flexible and convenient real time lighting controls.

Power Booster E2400PB1200
-Boosts the maximum power of 400W supported by each zone of Master Control Unit to 1200W. A total of ten of these units can be connected in parallel to support a zone requiring 12kW power consumption.

Fluorescent Interface E2400AM
- Provides 1-10VDC signal to dimmable electronic ballast for dimming fluorescent light sources.

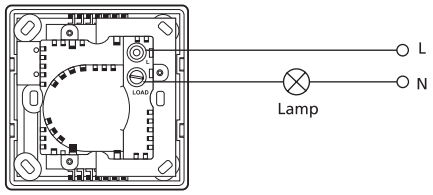
Specifications

Master Control Unit / Slave Control Unit	
Cat. No.	E2400/3MCU5
Input Voltage	220-240VAC, 50/60Hz
No. of Scenes	5 + Master OFF
No. of Zones	3
Maximum Zone No.	18 (one Master Control Unit with five Slave Control Units)
Output Rating	20-400W per zone 20-400W at switched live terminal
Load Type	Incandescent lamps, halogen lamps, fluorescent lamps and compact fluorescent lamps
Wire diameter	#12-24AWG to lamps, power lines, 2-Way Entrance Switch #24-26AWG to Slave Control Unit
Fade Rate Options	1sec, 3sec, 5sec, 10sec and 10mins
Infrared Detection Range	15m at normal, 6m at ± 45
Transformation	Convertible to slave Control Unit
Dimension	175mm x 88mm x 58mm (LxWxD)
Mounting Method	Wall Mount in 2-gang deep wall box (BS4662)
Operating Temperature	0-40 C
Compliance	BS5518
IR Remote Control	
Cat. No.	E2400HTX
Input Voltage	1 X CR2032 3V lithium battery (replaceable)
No. of Scenes	5 + Master OFF
Light Level Changing	Temporarily, not stored in Master Control Unit
Dimension	86mm x 54mm x 8mm (LxWxD)
Colour	Black
Power Booster	
Cat. No.	E2400PB1200
Input Voltage	220-240VAC, 50/60Hz (any phase)
Total Output Rating	(only load terminal is used) 1200W at LOAD (both load terminal and SWL terminals are used 0-400W at LOAD & 1200W at SWL
Load Type	Same as Master Control Unit
Wire diameter	#12-24AWG to Lamps and Control Units
Operating Temperature	0-40 C
Mounting Method	Surface Mount with attached wall box
Dimension	175mm x 88mm x 56mm (LxWxD)
Compliance	BS5733
Fluorescent Interface	
Cat. No.	E2400AM
Input Voltage	220-240VAC, 50/60Hz (any phase)
Output Voltage	1-10V d.c.
Output Current	Less than 10mA d.c.
Ballast Type	1-10V d.c. Dimmable electronic ballast
Max. no. of ballast per Fluorescent Interface	Depends on the loading of ballast
Max. no. of Fluorscent Interface connected to a zone of MCU	10
Operating Temperature	0-50 C
Dimension	30mm x 150mm x 34mm (LxWxD)
Compliance	IEC60928

DIMMER & FAN CONTROL SWITCHES

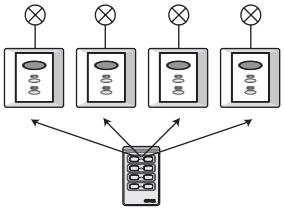
IR Remote Control Dimmer

WIRING DIAGRAM



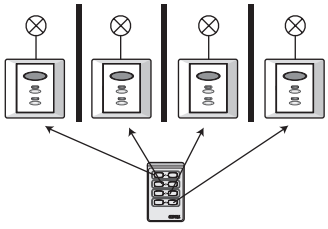
Complex Application

Below are some examples of application topology. You may use your imagination to explore some other sophisticated or dramatic applications.



⊙ Preset channel : all No.1

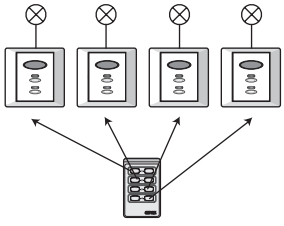
■ Scenario lighting for a large area



⊙ Preset channel : 1, 2, 3, 4

⊙ Fading rate : used in some areas as needed

■ Walk through control for separate areas



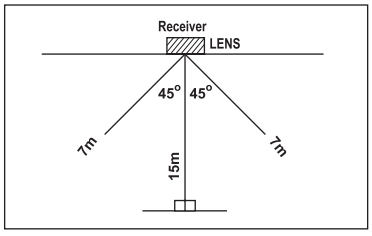
⊙ Preset channel : 1, 2, 3, 4

⊙ Fading rate : Various

■ Scenario lighting with dramatic effect for a confined area.

This state-of-the-art electronic dimming switch provides two memory positions for presetting your favourite light intensities and to lighting effects. By installing and grouping additional units, the user may achieve more sophisticated scenario lighting effect.

Detection Range

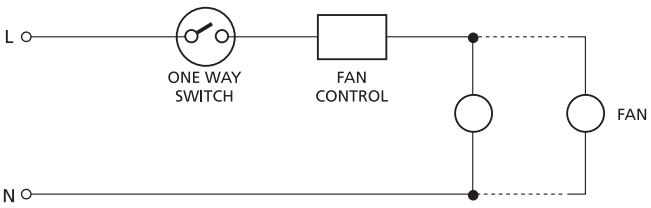


Specifications

Infrared Remote Control Dimmer	
Cat. No.	E2752D400T
Voltage	220-240V a.c. 50/60Hz
Power Rating	40-400W
Load Type	Incandescent lamp only (for halogen lamp please check the compatibility of transformer before use)
Dimension	87x87x46mm
Mounting Wall Box	BS4662 type, 35mm deep or above
Operating Temperature	0-35 C
Compliance	BSEN 60669-2-1
Infrared Remote Control	
Cat. No.	E2752T
Power supply	One 3V CR2025 lithium battery
Transmission range	15m max. at right angle: 7m at ±45
Transmission media	Infrared light, wavelength 940nm
Carrier Frequency	38kHz
Dimension	86x54x7.8mm

Fan Control

WIRING DIAGRAM



The Clipsal fan controller is a solid state unit, designed to provide smooth speed variations from full to slow on most fans. Fan speed can set to suit any conditions. Full speed for efficient exhaust of stale air or steam in kitchens and bathrooms. Otherwise, the controller should be adjusted to the low setting for constant, quiet circulation and change of fresh air.

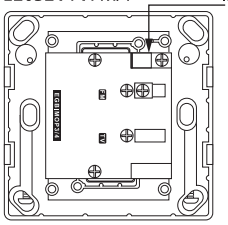
Any number of fans may connect in parallel up to a total loading of 400VA. Only similar types of fans should be connected in parallel to minimize the possibility of resultant variable speeds.

SOCKER OUTLETS

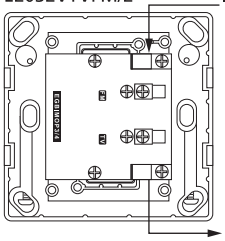
Telecommunication Accessories TV-FM Socket Outlets

WIRING DIAGRAM

E2032VTVFM/1 IN



E2032VTVFM/2 IN



Clipsal TV-FM provides safety isolation rated at 2kV a.c. between aerial lead and socket. Twin outlet with TV/FM diplexer for connection to single coaxial cable with combined TV and FM signals.

Specifications

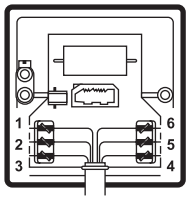
Cat. no.	E2032VTVFM/1	E2032VTVFM/2
Description	TV,FM Socket with 1 cord grip, slave unit	TV,FM Socket with 2 cord grips, master unit
Frequency Bandwidth	FM 88~108MHz TV 5~68MHz and 125~862MHz	FM 87.5~108MHz TV 5~68MHz and 125~862MHz
Insertion Loss	< 1.0db	3.5±0.5db
Isolation	>16db	TV-FM > 16db Output-FM > 30db Output-TV > 22db
Load	75 (ohm)	
High Voltage Tolerance	2kV a.c.	
Dimension	87mm x 87mm	
Mounting Centre	60.3mm	
Compliance	BS 3041 : CE marked	

Telephone outlet - BS standard

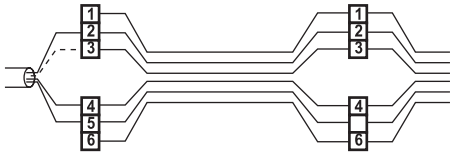
WIRING DIAGRAM

Example of typical connection :

1) Connections to 2 and 5
2) Earth recall (when used) connect to terminal 4
3) Connection to terminal 3 is not usually required.



Existing Incoming Cable from PBX, etc.



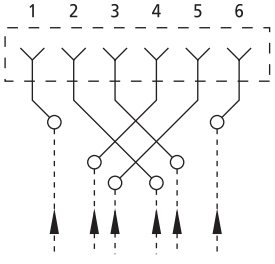
All socket outlet connections are in parallel - any number of socket outlets can be connected, but it is recommended that only a maximum of 5 telephones can be used at any one time on one line.

Wiring colour code

Pin No.	Pin Code.
1	Green/White
2	Blue/White
3	Orange/White
4	White/Oragne
5	White/Blue
6	White/Green

Telephone outlet - FCC standard

WIRING DIAGRAM



Wiring colour code

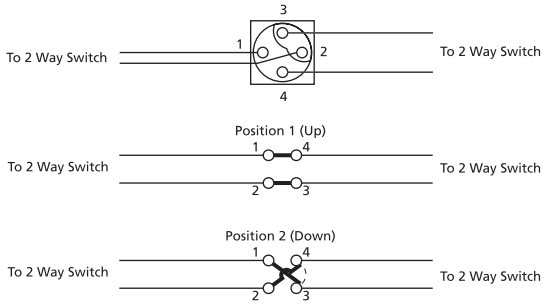
Pin No.	Pin Code.
1	Blue
2	Yellow
3	Green
4	Red
5	Brown
6	White

Mechanism

WIRING DIAGRAM

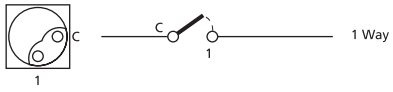
1 - Intermediate mechanism

30MI



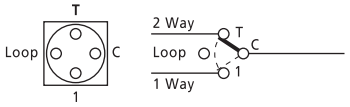
2 - 1 way mechanism

30/1/2M

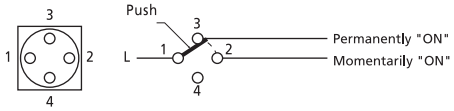


3 - 1 way / 2 way mechanism

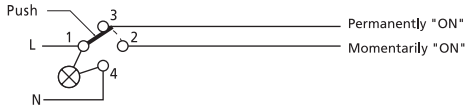
30M



30MBP

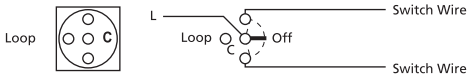


30MBPN



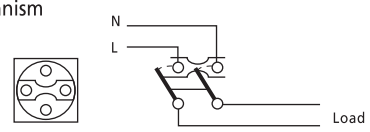
4 - Three postion mechanism

39M



5 - Double pole mechanism

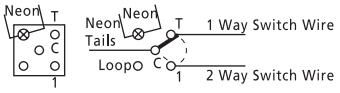
30MD20

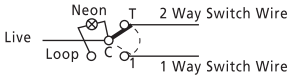


6 - 1 way / 2 way mechanism with neon indicator

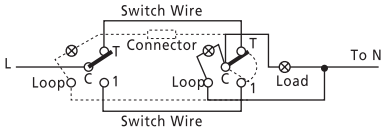
30/2NM

Neon always "ON"



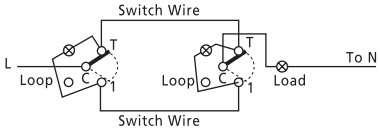


Neon as output indicator



Additional Wiring for Neon Indication on Two Switches

Neon as orientating indicator



MECHANISMS

Mechanism - Surge Filter

The surge filter is the protection device which protect electronic equipment from instantaneous over-voltage surges. The filter has a built-in neon lamp to indicate that the module is operating correctly. After repeated clamping of minor spikes, or following a voltage surge that exceeds the capacity of the unit, the Metal Oxide Varistors may become over stressed and fail, causing the neon lamp to extinguish.

Although the module will no longer offer voltage surge, the power outlet will continue to operate normally and the module should be replaced as soon as possible.

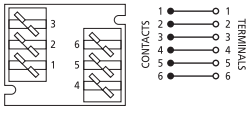
Specifications

Cat. No.	30SFM
Normal Operating Voltage	265V a.c.
Normal Operating Current	10A
Maximum Operating Voltage	275 - 369V a.c.
Typical Capacitance	900pF
Max. Withstand Current (8/20µs)	6.5kA
Max. Clamping Voltage (8/20µs, 100A)	710V
Energy Absorption	3 x 140J

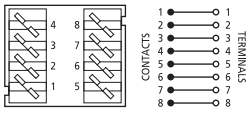
Mechanism - 30RJ Socket

WIRING DIAGRAM

30RJ66SM



30RJ88SM



Specification for 30RJ88SM

Cat. No.	30RJ88SM
Description	RJ45/Modular 8 way 8 contact socket mechanism
D.C. Resistance	69m
D.C. Resisitance Imbalance	20m
Insulation Resistance	>100M
Lead	Cat. 5
Attenuation (@100MHz)	<0.106db
Crosstalk(@100MHz)	<-43db
Return Loss(@100MHz)	<-18db

Specifications for Terminals

Conductor diameter	#22-24AWG / 0.4-0.6mm
Insulation diameter	0.7-1.4mm
No. of equal diameter conductors per slot	2 maximum
Contact spring force	3N
Operating life	>750 insertion cycles/ >200reterminations
Coupling capacitance between wires	<1pf
Housing materials	Thermoplastic polyester

Specifications for Socket

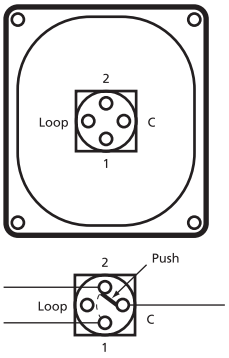
Housing materials	ABS
Contacts	50 microns hard gold plate with minimum 100 micron under plate sulphamate nickel
Contacts resistance	Max. 10m Ω

WEATHER PROOF RANGE

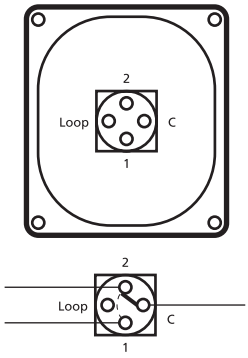
Weather Proof Series - WS Surface Switches

WIRING DIAGRAM

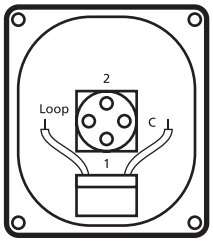
WS226 PB Series



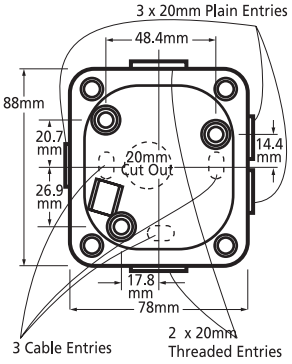
WS226 Series, WS229 Series



WS 226N Series

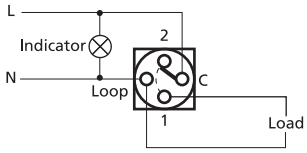


WS Series Mounting Holes Detail



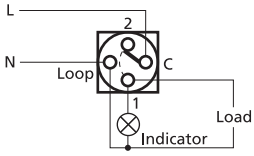
One Way Switching

Indicator "ON" continuously



Indicator "ON", indicates Power Available

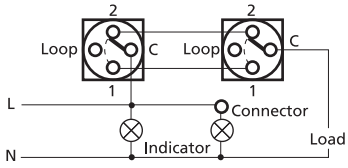
Indicator "ON", when load is "ON"



Indicator "ON", indicates switch is "ON"

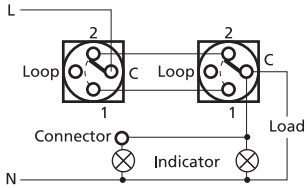
Two Way Switching

Indicator "ON" continuously



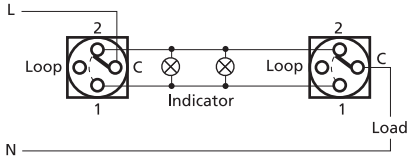
Indicator "ON", indicates Power Available

Indicator "ON", when load is "ON"



Indicator "ON", indicates switch is "ON"

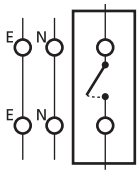
Indicator "ON", when load is "OFF"



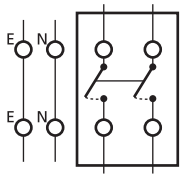
Weather Proof Series - WHS / WHD / WHT Isolator Switches

WIRING DIAGRAM

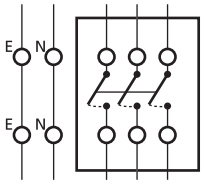
Single pole



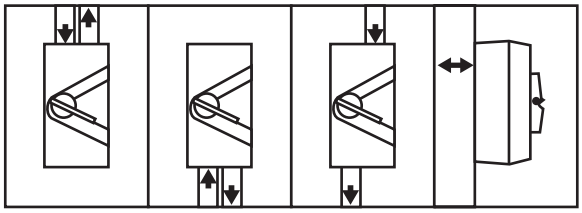
Double pole



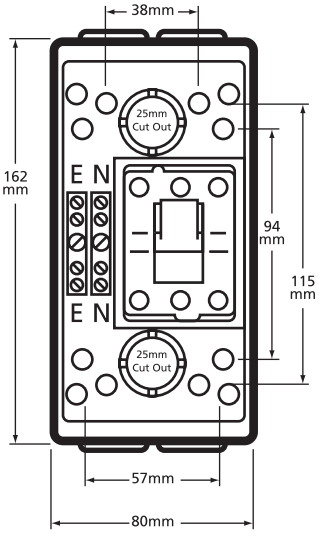
Triple pole



Conduit Entry Alternatives



Dual 25mm screwed conduit entries top and bottom of the casing allow four ways to surface wire the switch.



AQUASEAL IP56 & IP66

TECHNICAL SPECIFICATIONS	CSC	CSO	CSW	CSS
VOLTAGE	250V	250V	250V	Single pole - 250V Double and triple pole - 500V
AMPERAGE	13A	13A	Single pole - 20A/16AX Double pole 20A	40A
DIMENSIONS	80mm x 160mm x 85mm	80mm x 103mm x 85mm	80mm x 103mm x 85mm	80mm x 160mm x 85mm
COMPLIANCE	BS 1363-2	BS 1363-2	BS EN 60669-1 IEC 60669-1 IS 3854 SABS 163 SABSIEC669-1 IEC 60529	IEC 60947.3 & BS EN 60529 AS/NZ 3000 AS/NZ 3100 AS/NZ 3133
INTERNATIONAL PROTECTION RATING	IP56 for plugs with cables ø5-14mm	IP56 for plugs with cables ø5-14mm	IP66	IP66
MOTOR RATING	N/A	N/A	N/A	Single pole - M120 Double & triple pole - M100
TERMINAL BORES	5mm	5mm	4.1mm	7.45mm
TERMINAL ACCOMMODATION	4 x 2.5mm^2	4 x 2.5mm^2	3 x 2.5mm^2	1 x 10mm^2 cable max.
ENTRIES	Threaded conduit Entries - 4 x M25 at 33mm centres Plain cut-out - 1 x 25 (25 - 20mm (reducer included)	Threaded conduit Entries - 4 x M25 at 33mm centres Plain cut-out - 1 x 25 (25 - 20mm (reducer included)	Threaded conduit Entries - 4 x M25 at 33mm centres Plain cut-out - 1 x 25 (25 - 20mm (reducer included)	Threaded conduit Entries - top & bottom 4 x M25 at 33mm centres Plain cut-out - rear of base 2 x 25 (25 - 25mm reducer included)

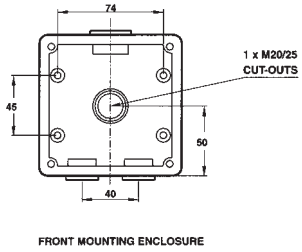
56 & 66 SERIES

Surface Switches

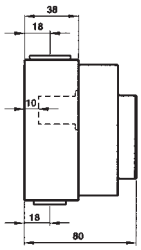
Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
56SW110	1	10	250	10	8	8	M80	1.5	6
56SW110/2	1	10	250	10	8	8	M80	1.5	6
56SW115	1	15	250	15	8	8	M80	1.5	6
56SW115/2	1	15	250	15	8	8	M80	1.5	6
56SW110/I	1	10	250	10	8	8	M80	1.5	6

Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
56SW110HD	1	10	250	10	10	10	M260	6	25
56SW115HD	1	15	250	15	15	15	M260	6	25
56SW120	1	20	250	20	20	20	M260	2.5	25
56SW220	2	20	500	20	20	20	M220	2.5	25
56SW310	3	10	500	10	10	10	M100	1.5	25
56SW320	3	20	500	20	20	20	M100	2.5	25

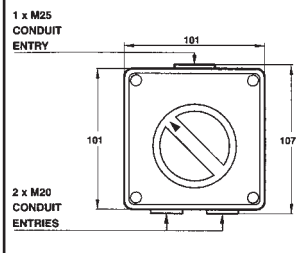
Dimensions



FRONT MOUNTING ENCLOSURE

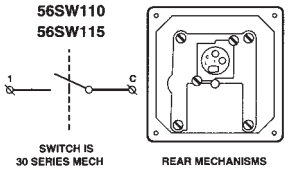


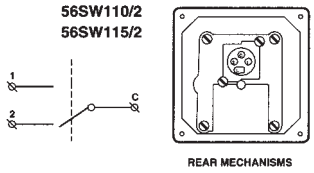
SIDE COMPLETE

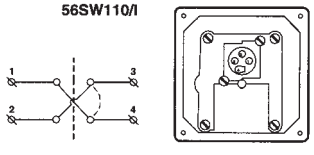


FRONT COMPLETE

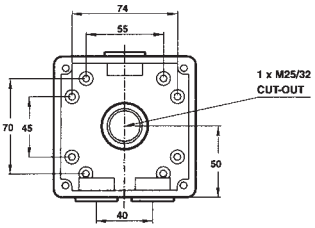
Wiring Diagrams



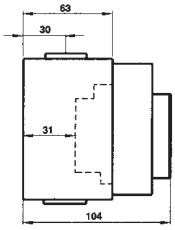




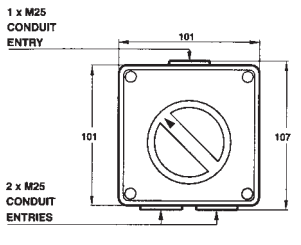
Dimensions



FRONT MOUNTING ENCLOSURE

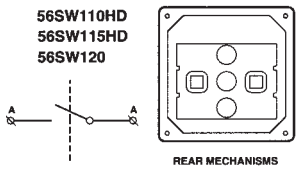


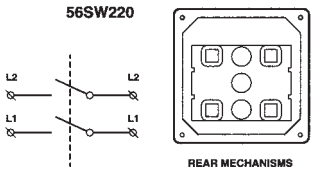
SIDE COMPLETE

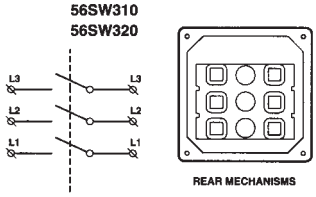


FRONT COMPLETE

Wiring Diagrams







SWITCH TERMINALS
ARE NOT IDENTIFIED

SWITCH IS
BACKWIRED

CONDUCTOR TERMINATION
IS PRESSURE PLATE TYPE

Remark :

I_{the} -	Conventional enclosed thermal current
U_e -	Operational voltage
AC21 -	Switching of resistive loads, including moderate overloads
AC22 -	Switching of mixed resistive and inductive loads, including moderate overloads
AC23 -	Switching of motor loads or highly inductive loads
M rating -	For switching of locked rotor current

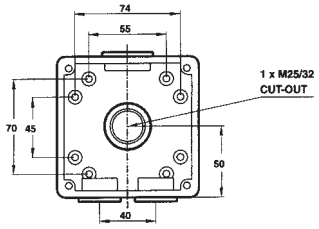
56 & 66 SERIES

Surface Switches

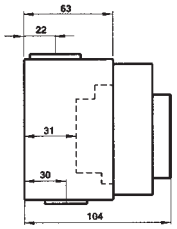
Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
56SW132	1	32	250	32	32	20	M260	4	25
56SW232	2	32	500	32	32	20	M220	4	25
56SW332	3	32	500	32	32	20	M100	4	25

Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
56SW150	1	50	250	50	50	25	M250	10	25
56SW163	1	63	250	63	63	25	M250	16	25
56SW250	2	50	500	50	50	25	M220	10	25
56SW263	2	63	500	63	63	25	M220	16	25
56SW350	3	50	500	50	50	25	M200	10	25
56SW363	3	63	500	63	63	25	M200	16	25

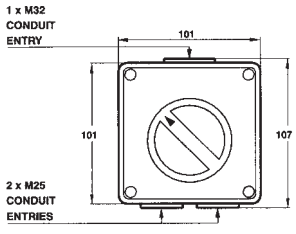
Dimensions



FRONT MOUNTING ENCLOSURE



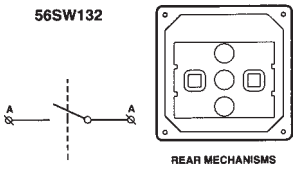
SIDE COMPLETE



FRONT COMPLETE

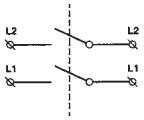
Wiring Diagrams

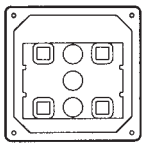
56SW132



REAR MECHANISMS

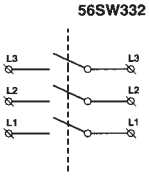
56SW232

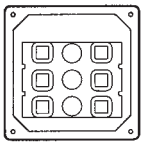




REAR MECHANISMS

56SW332





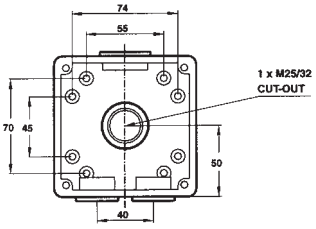
REAR MECHANISMS

SWITCH TERMINALS
ARE NOT IDENTIFIED

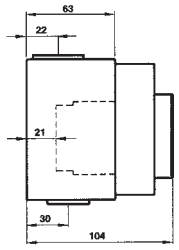
SWITCH IS
BACKWIRED

CONDUCTOR TERMINATION
IS PRESSURE PLATE TYPE

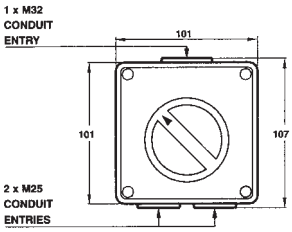
Dimensions



FRONT MOUNTING ENCLOSURE



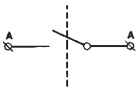
SIDE COMPLETE

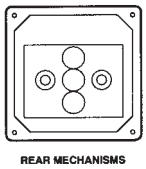


FRONT COMPLETE

Wiring Diagrams

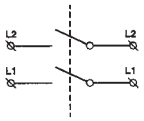
56SW150
56SW163

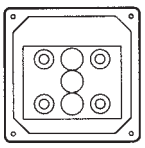




REAR MECHANISMS

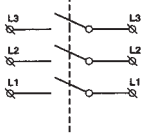
56SW250
56SW263

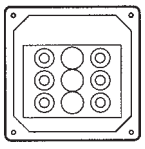




REAR MECHANISMS

56SW350
56SW363





REAR MECHANISMS

SWITCH TERMINALS
ARE NOT IDENTIFIED

SWITCH IS
BACKWIRED

CONDUCTOR TERMINATION
IS PLAIN SCREW TYPE

Remark :

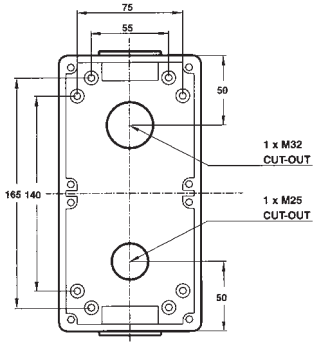
I_{the} - Conventional enclosed thermal current
U_e - Operational voltage
AC21 - Switching of resistive loads, including moderate overloads
AC22 - Switching of mixed resistive and inductive loads, including moderate overloads
AC23 - Switching of motor loads or highly inductive loads
M rating - For switching of locked rotor current

Surface Switches

Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
56SW363/2	3	63	500	63	63	25	M200	16	25

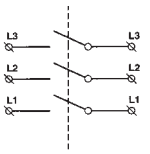
Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
56SW320C	AS 56SW320 + 2A CHANGEOVER AUX. LATE MAKE EARLY BREAK							16	25/2.5

Dimensions



FRONT MOUNTING ENCLOSURE

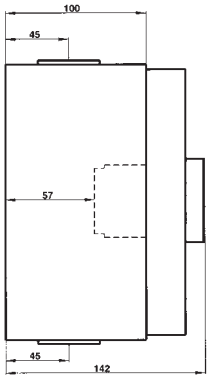
Wiring Diagrams



SWITCH TERMINALS ARE NOT IDENTIFIED

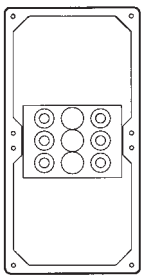
SWITCH IS BACKWIRED

CONDUCTOR TERMINATION IS PLAIN SCREW TYPE

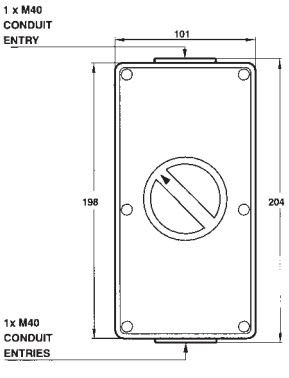


SIDE COMPLETE

56SW363/2

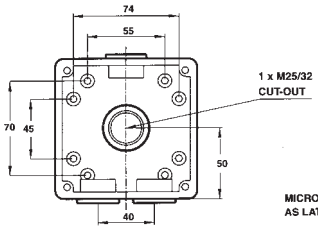


REAR MECHANISMS



FRONT COMPLETE

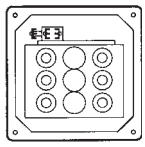
Dimensions



FRONT MOUNTING ENCLOSURE

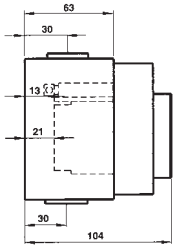
Wiring Diagrams

56SW320C

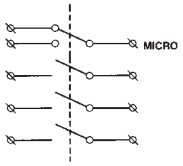


MICROSWITCH IS CONFIGURED AS LATE MAKE/EARLY BREAK

REAR MECHANISMS



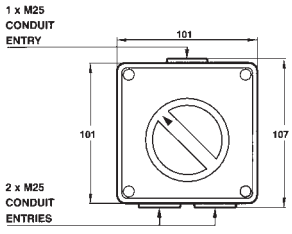
SIDE COMPLETE



SWITCH TERMINALS ARE NOT IDENTIFIED

SWITCH IS BACKWIRED

CONDUCTOR TERMINATION IS PLAIN SCREW TYPE



FRONT COMPLETE

Remark :

I_{the} -	Conventional enclosed thermal current
U_e -	Operational voltage
AC21 -	Switching of resistive loads, including moderate overloads
AC22 -	Switching of mixed resistive and inductive loads, including moderate overloads
AC23 -	Switching of motor loads or highly inductive loads
M rating -	For switching of locked rotor current

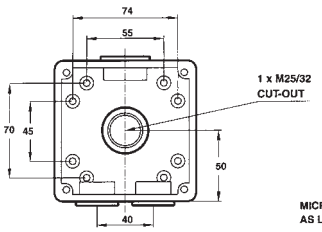
56 & 66 SERIES

Surface Switches

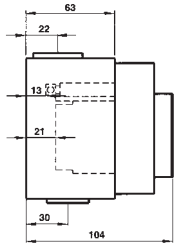
Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
56SW332C	AS 56SW320 + 2A CHANGEOVER AUX. LATE MAKE EARLY BREAK							16	25/2.5
56SW332C	AS 56SW332 + 2A CHANGEOVER AUX. LATE MAKE EARLY BREAK							16	25/2.5

Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
56SW420	4	20	440	20	20	20	-	2.5	6

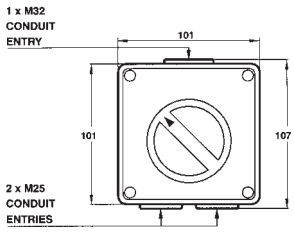
Dimensions



FRONT MOUNTING ENCLOSURE



SIDE COMPLETE

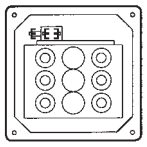


FRONT COMPLETE

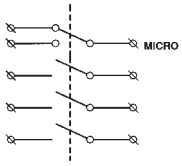
Wiring Diagrams

56SW332C
56SW350C

MICROSWITCH IS CONFIGURED AS LATE MAKE/EARLY BREAK



REAR MECHANISMS

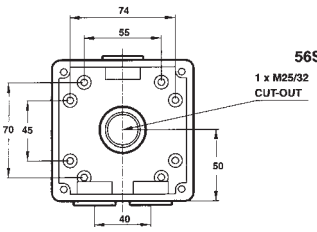


SWITCH TERMINALS ARE NOT IDENTIFIED

SWITCH IS BACKWIRED

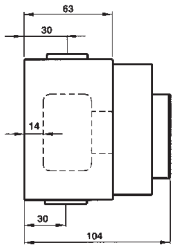
CONDUCTOR TERMINATION IS PLAIN SCREW TYPE

Dimensions

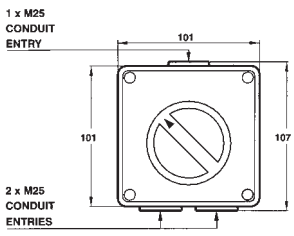


56SW420

FRONT MOUNTING ENCLOSURE

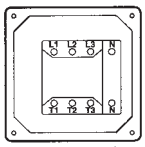


SIDE COMPLETE

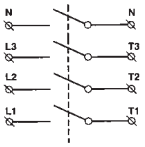


FRONT COMPLETE

Wiring Diagrams



REAR MECHANISMS



SWITCH IS SIDEWIRED
CONDUCTOR TERMINATION IS PRESSURE PLATE TYPE

Remark :

I_{the} - Conventional enclosed thermal current
U_e - Operational voltage
AC21 - Switching of resistive loads, including moderate overloads
AC22 - Switching of mixed resistive and inductive loads, including moderate overloads
AC23 - Switching of motor loads or highly inductive loads
M rating - For switching of locked rotor current

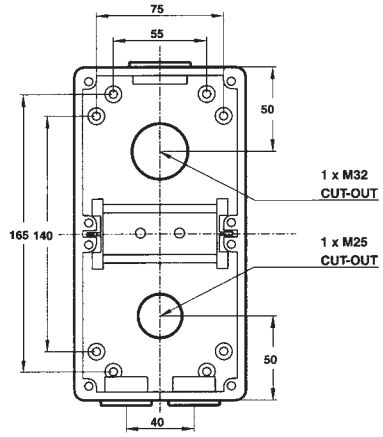
CLIPSAL

56 & 66 SERIES

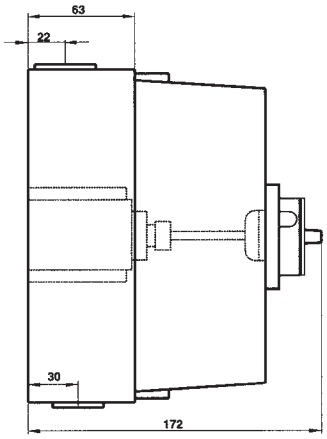
Heavy-Duty Surface Switches

Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			Conductor size (mm^2)	
				AC21	AC22	AC23	Min	Max.
56SWH325	3	25	500	25	25	25	1.5	16
56SWH340	3	40	500	40	40	25	1.5	16
56SWH363	3	63	500	63	63	63	1.5	35
56SWH380	3	80	500	80	80	63	1.5	35
56SWH425	4	25	500	25	25	25	1.5	25
56SWH440	4	40	500	40	40	25	1.5	25
56SWH463	4	63	500	63	63	40	1.5	25

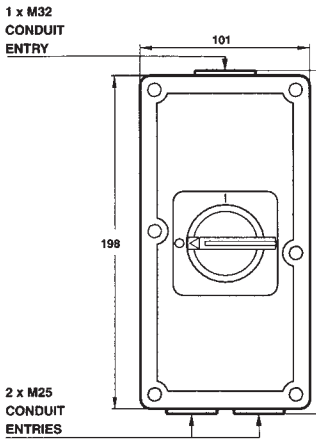
Dimensions



FRONT MOUNTING ENCLOSURE



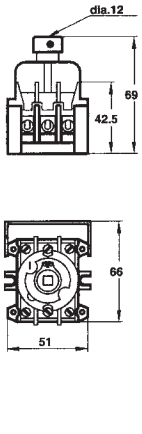
SIDE COMPLETE



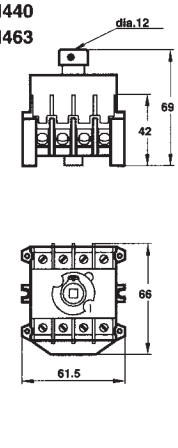
FRONT COMPLETE

Wiring Diagrams

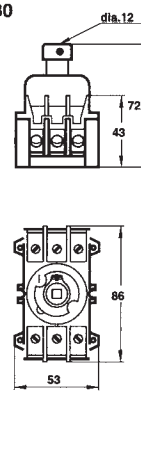
56SWH325
56SWH340



56SWH425
56SWH440
56SWH463



56SWH363
56SWH380



SWITCHES ARE SIDEWIRED
CONDUCTOR TERMINATION
IS PLAIN SCREW TYPE

Remark :

I_{the} - Conventional enclosed thermal current
U_e - Operational voltage
AC21 - Switching of resistive loads, including moderate overloads
AC22 - Switching of mixed resistive and inductive loads, including moderate overloads
AC23 - Switching of motor loads or highly inductive loads
M rating - For switching of locked rotor current

56 & 66 SERIES

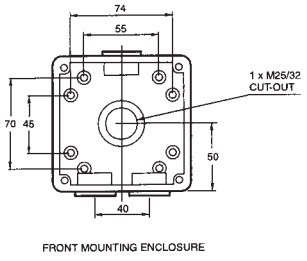
Changeover and Reversing Switches

Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			AC15	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
56SW220CO Changeover Switch	2	20	500	20	-	15	8/6	1.5	2x4
56SW420CO Changeover Switch	4	20	500	20	-	15	8/6	1.5	2x4

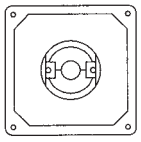
Key Operated Switches

STANDARD SECURITY SWITCH									
Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
For locking in only the 'off' position									
56K1SW120	1	20	250	20	20	20	M250	2.5	25
56K1SW220	2	20	500	20	20	20	M220	2.5	25
56K1SW310	3	10	500	10	10	10	M200	1.5	25
56K1SW320	3	20	500	20	20	20	M200	2.5	25
For locking in only both 'on' & 'off' positions									
56K2SW120	1	20	250	20	20	20	M250	2.5	25
56K2SW220	2	20	500	20	20	20	M220	2.5	25
56K2SW310	3	10	500	10	10	10	M200	1.5	25
56K2SW320	3	20	500	20	20	20	M200	2.5	25

Dimensions & Wiring Diagrams

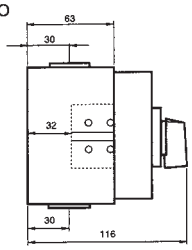


FRONT MOUNTING ENCLOSURE



REAR MECHANISMS

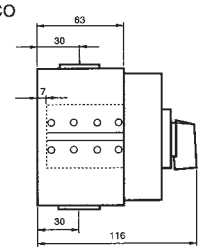
56SW220CO



SIDE COMPLETE

SWITCH IS SIDEWIRED
CONDUCTOR TERMINATION IS
PRESSURE PLATE TYPE
ALL LINKS SHOWN ARE INTERNAL

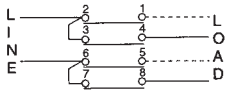
56SW420CO



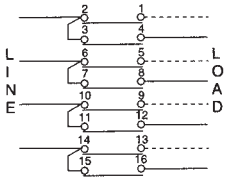
SIDE COMPLETE

SWITCH IS SIDEWIRED
CONDUCTOR TERMINATION IS
PRESSURE PLATE TYPE
ALL LINKS SHOWN ARE INTERNAL

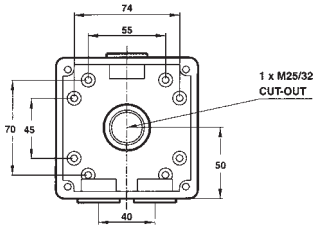
56SW220CO



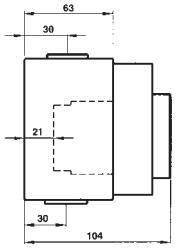
56SW420CO



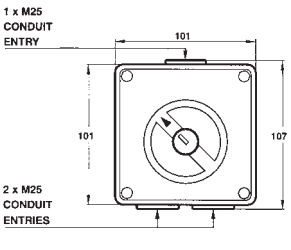
Dimensions



FRONT MOUNTING ENCLOSURE



SIDE COMPLETE

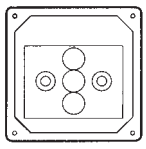


FRONT COMPLETE

Wiring Diagrams

FRONT MOUNTING ENCLOSURE

56K1SW120
56K2SW120

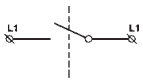


REAR MECHANISMS

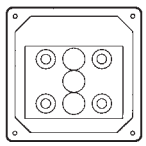
SWITCH TERMINALS
ARE NOT IDENTIFIED

SWITCH IS
BACKWIRED

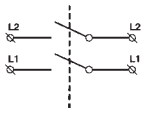
CONDUCTOR TERMINATION
IS PLAIN SCREW TYPE



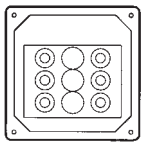
56K1SW220
56K2SW220



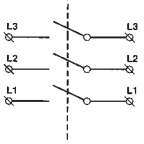
REAR MECHANISMS



56K1SW310
56K1SW320
56K2SW310
56K2SW320



REAR MECHANISMS



Remark :

I_{the} - Conventional enclosed thermal current
U_e - Operational voltage
AC21 - Switching of resistive loads, including moderate overloads
AC22 - Switching of mixed resistive and inductive loads, including moderate overloads
AC23 - Switching of motor loads or highly inductive loads
M rating - For switching of locked rotor current

CLIPSAL

56 & 66 SERIES

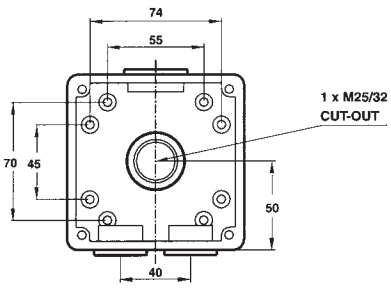
Key Operated Switches

STANDARD SECURITY SWITCHES									
Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
For locking in only the 'off' position									
56K1SW132	1	32	250	32	32	25	M250	4	25
56K1SW150	1	50	250	50	50	25	M250	10	25
56K1SW232	2	32	500	32	32	25	M220	4	25
56K1SW250	2	50	500	50	50	25	M220	10	25
56K1SW332	3	32	500	32	32	25	M200	4	25
56K1SW350	3	50	500	50	50	25	M200	10	25
For locking in only both 'on' & 'off' positions									
56K2SW132	1	32	250	32	32	25	M250	4	25
56K2SW150	1	50	250	50	50	25	M250	10	25
56K2SW232	2	32	500	32	32	25	M220	4	25
56K2SW250	2	50	500	50	50	25	M220	10	25
56K2SW332	3	32	500	32	32	25	M200	4	25
56K2SW350	3	50	500	50	50	25	M200	10	25

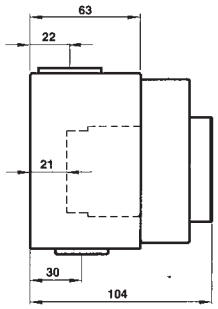
MEDIUM SECURITY SWITCHES									
Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
For locking in only the 'off' position									
56K1SW132MS	1	32	250	32	32	25	M250	4	25
For locking in only both 'on' & 'off' positions									
56K2SW132MS	1	32	250	32	32	25	M250	4	25

HIGH SECURITY SWITCHES									
For locking in only the 'off' position									
56K1SW132HS	1	32	250	32	32	25	M250	4	25

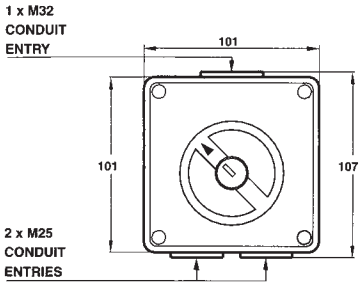
Dimensions



FRONT MOUNTING ENCLOSURE



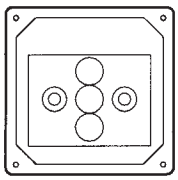
SIDE COMPLETE



FRONT COMPLETE

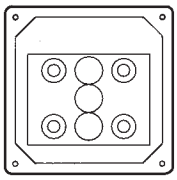
Wiring Diagrams

56K1SW132
56K1SW150
56K2SW132
56K2SW150
56K1SW132MS
56K2SW132MS
56K1SW132HS



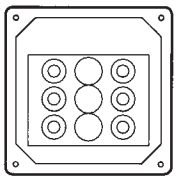
REAR MECHANISMS

56K1SW232
56K1SW250
56K2SW232
56K2SW250



REAR MECHANISMS

56K1SW332
56K1SW350
56K2SW332
56K2SW350

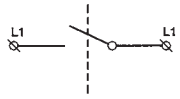


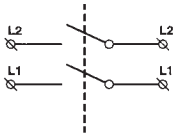
REAR MECHANISMS

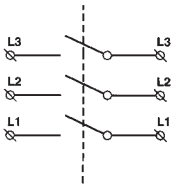
SWITCH TERMINALS ARE NOT IDENTIFIED

SWITCH IS BACKWIRED

CONDUCTOR TERMINATION IS PLAIN SCREW TYPE







NOTE: 1. MS AND HS USE KEY TO SWITCH MECH.

2. MS AND HS HAVE NO SHARP EDGES ON ROTARY SWITCH KNOB

3. HS PROVIDED IN KIT FORM

Remark :

I_{the} - Conventional enclosed thermal current
U_e - Operational voltage
AC21 - Switching of resistive loads, including moderate overloads
AC22 - Switching of mixed resistive and inductive loads, including moderate overloads
AC23 - Switching of motor loads or highly inductive loads
M rating - For switching of locked rotor current

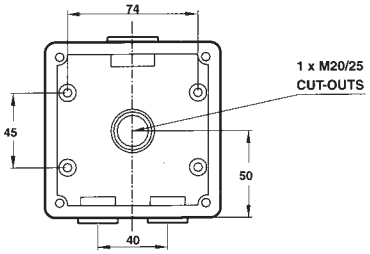
56 & 66 SERIES

Key Operated Switches

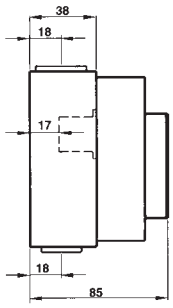
STANDARD SECURITY SWITCHES									
Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
For locking in only the 'off' position									
56K1SW115	1	15	250	15	10	8	M80	1.5	6
For locking in only both 'on' & 'off' positions									
56K2SW115	1	15	250	15	10	8	M80	1.5	6

MEDIUM SECURITY SWITCHES									
For locking in only the 'off' position									
56K1SW115MS	1	15	250	15	10	8	M80	1.5	6
For locking in only both 'on' & 'off' positions									
56K2SW115MS	1	15	250	15	10	8	M80	1.5	6

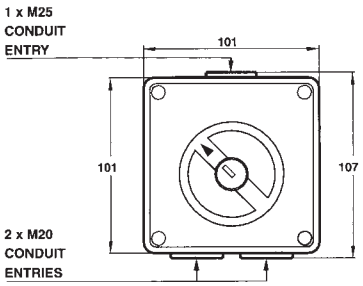
HIGH SECURITY SWITCHES									
For locking in only the 'off' position									
56K1SW115HS	1	15	250	15	10	8	M80	1.5	6



FRONT MOUNTING ENCLOSURE

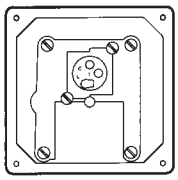


SIDE COMPLETE



FRONT COMPLETE

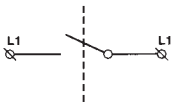
56K1SW115
56K2SW115
56K1SW115MS
56K2SW115MS
56K1SW115HS



REAR MECHANISMS

NOTE: 1. MS AND HS USE KEY TO SWITCH MECH.

2. MS AND HS HAVE NO SHARP EDGES ON ROTARY SWITCH KNOB



SWITCH IS 30 SERIES MECH

3. HS PROVIDED IN KIT FORM

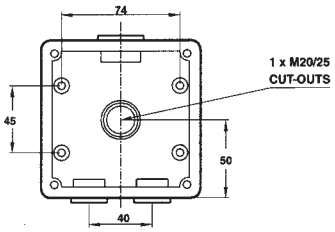
Remark :

I_{the} - Conventional enclosed thermal current
U_e - Operational voltage
AC21 - Switching of resistive loads, including moderate overloads
AC22 - Switching of mixed resistive and inductive loads, including moderate overloads
AC23 - Switching of motor loads or highly inductive loads
M rating - For switching of locked rotor current

Push-Button Control Stations

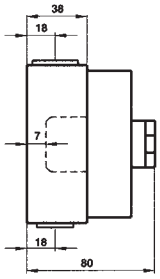
Cat.no	I_{the} (A)	U_e (V)	Utilidation Category (A)		Conductor size (mm^2)	
			AC15 240V	AC13 24V	Min	Max.
56PB	10	250	6	8	1	4
56PBS	10	250	6	8	1	4
56PBS1	10	250	6	8	1	4
56PBS2	10	250	6	8	1	4
56/2PB	10	250	6	8	1	4
56/2PBS1	10	250	6	8	1	4

Dimensions & Wiring Diagrams



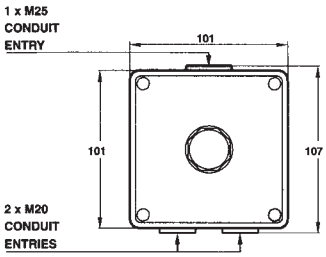
FRONT MOUNTING ENCLOSURE

56PB



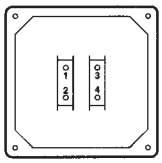
SIDE COMPLETE

56PB
56PBS



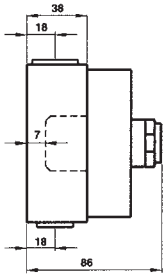
FRONT COMPLETE

56PB
56PBS
56PBS1
56PBS2



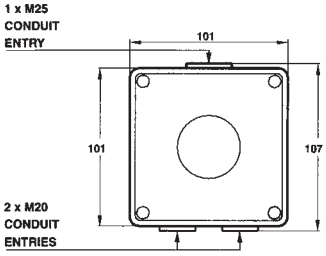
REAR MECHANISMS

56PBS
56/2PB



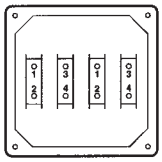
SIDE COMPLETE

56PBS1
56PBS2



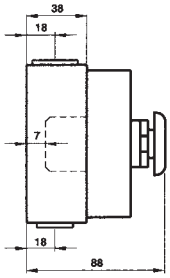
FRONT COMPLETE

56/2PB
56/2PBS1



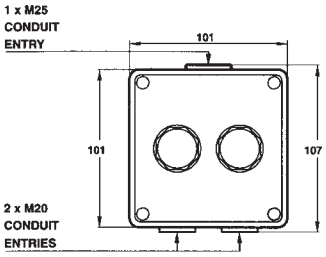
REAR MECHANISMS

56PBS1
56PBS2
56/2PBS1

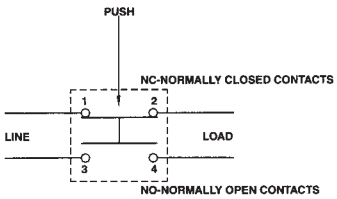


SIDE COMPLETE

56/2PB

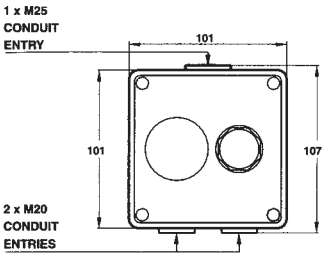


FRONT COMPLETE



SWITCH IS SIDEWIRED
CONDUCTOR TERMINATION
IS PRESSURE PLATE TYPE

56/2PBS1



FRONT COMPLETE

Remark:

56PB (NO MARKINGS,COLOUR GREEN,NON LATCHING)
56PBS (STOP,COLOUR RED,NON LATCHING)
56PBS1 (EMERGENCYSTOP,MARKED ON SWITCH AND PLATE,COLOUR RED MUSHROOM, LATCHING)
56PBS2 (STOP,COLOUR RED MUSHROOM, LATCHING)
56/2PB (STOP/START,COLOUR RED/GREEN,NON LATCHING)
56/2PBS1 (STOP,COLOUR RED MUSHROOM,LATCHING)(START,COLOUR GREEN,NON LATCHING)

I_{the} - Conventional enclosed thermal current
U_e - Operational voltage

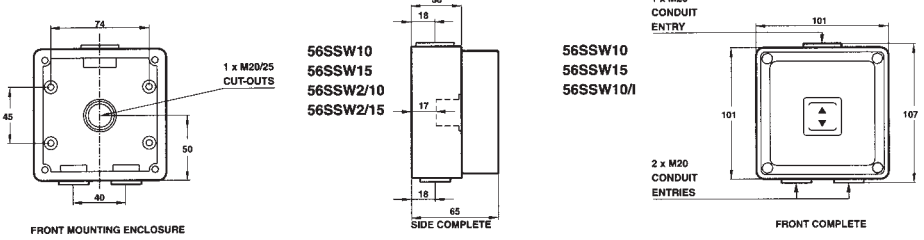
56 & 66 SERIES

Switches with Sliding Switch Dollies & Two Aperture Enclosure IP66

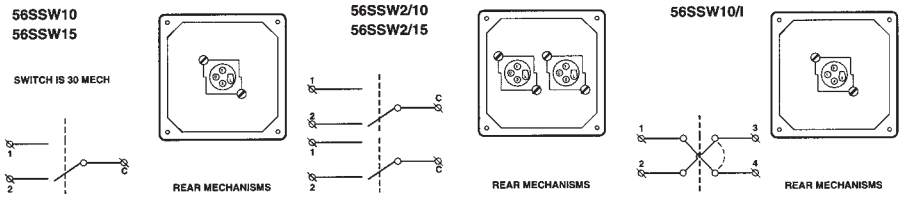
Cat.no	No.of Switched Poles	I_{the} (A)	U_e (V)	M rating	Conductor size (mm^2)	
					Min	Max.
56SSW10	1	10	250	M80	1.5	6
56SSW15	1	15	250	M80	1.5	6
56SSW10/I	1	10	250	M100	1.5	6
56SSW2/10	2	10	250	M80	1.5	6
56SSW2/15	2	15	250	M80	1.5	6

Cat.no	O/A Dims. (H)x(W)x(D)
56/32	107x101x75

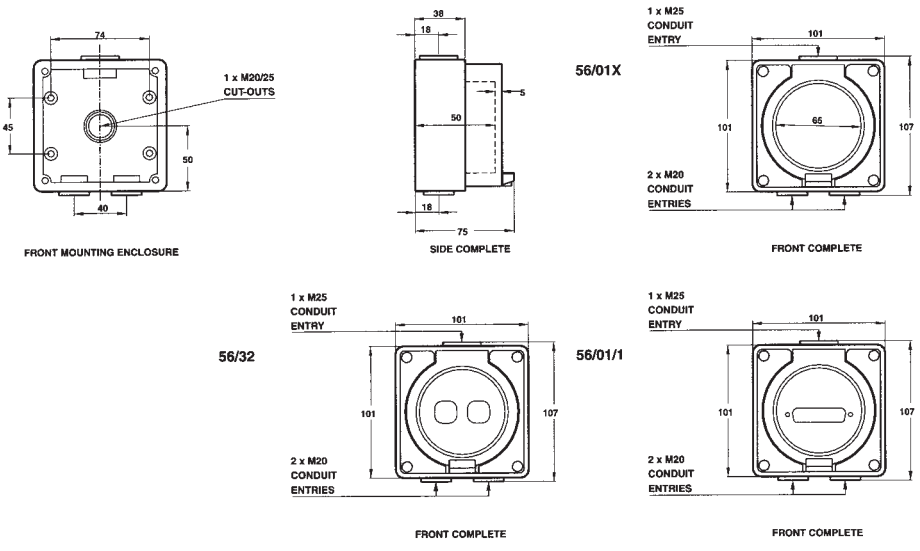
Dimensions



Wiring Diagrams



Dimensions



Remark:

I_{the} - Conventional enclosed thermal current

U_e - Operational voltage

M rating - For switching of locked rotor current

CLIPSAL®

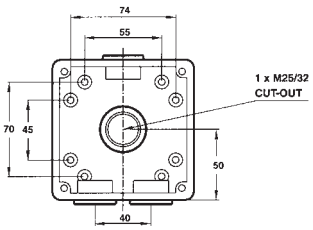
56 & 66 SERIES

Timer Switches

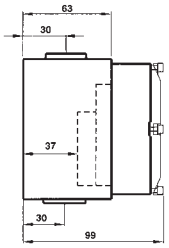
Cat.no	Switching	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Battery Running Reserve (Hrs)	Min. Switch Time (Min.)	Conductor size (mm^2)	
				AC21	AC2A	AC2A				Min	Max.
56TC	1 C/O	15	250	15	10	8	M90	N/A	15	2.5	6
56TC7	1 C/O	15	250	15	10	8	M90	N/A	120	2.5	6
56TCB	1 C/O	15	250	15	10	8	M90	**150	15	2.5	6
56TCB7	1 C/O	15	250	15	10	8	M90	**150	120	2.5	6
56SWT216	2 Pole	16	250	16	10	10	M120	**150	10 mins Minimum 120 mins Maximum	2.5	4

** Nicad rechargeable battery takes 70 hours to fully charges

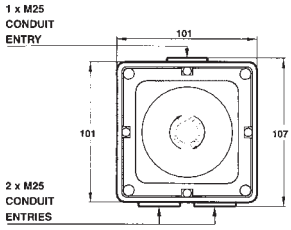
Dimensions



FRONT MOUNTING ENCLOSURE



SIDE COMPLETE



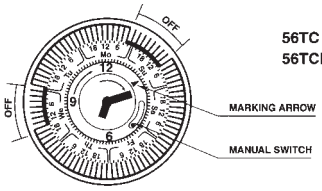
FRONT COMPLETE

Wiring Diagrams

56TC
56TCB
56TC7
56TCB7

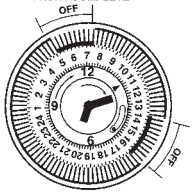
REAR MECHANISMS

56TC7
56TCB7

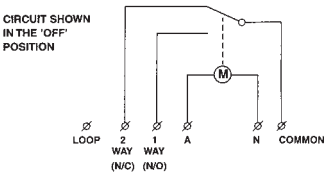


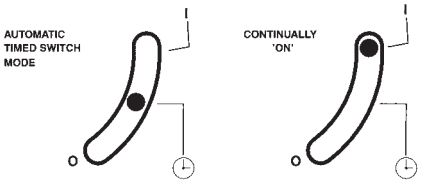
FRONT DETAIL

56TC
56TCB

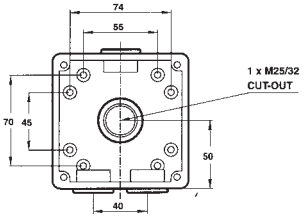


FRONT DETAIL

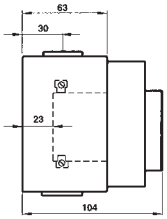




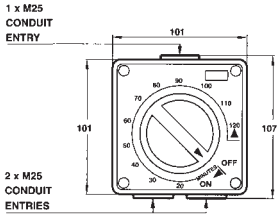
Dimensions



FRONT MOUNTING ENCLOSURE



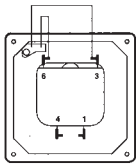
SIDE COMPLETE



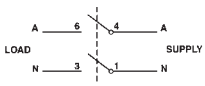
FRONT COMPLETE

Wiring Diagrams

56SWT216



REAR MECHANISMS



Remark :

I_{the} - Conventional enclosed thermal current
U_e - Operational voltage
AC21 - Switching of resistive loads, including moderate overloads
AC22 - Switching of mixed resistive and inductive loads, including moderate overloads
AC23 - Switching of motor loads or highly inductive loads
M rating - For switching of locked rotor current

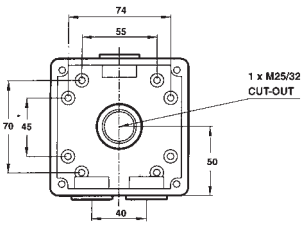
56 & 66 SERIES

New Timer Switches

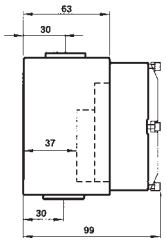
Cat.no	Switching	I_{the} (A)	U_e (V)	Utilidation Category (A)			M rating	Battery Running Reserve (Hrs)	Min. Switch Time (Min.)	Conductor size (mm^2)	
				AC21	AC22	AC23				Min	Max.
56TCDB	1 C/O	10	250	10	10	8	M100	**150	1	2.5	6

** Nicad rechargeable battery takes 70 hours to fully charges

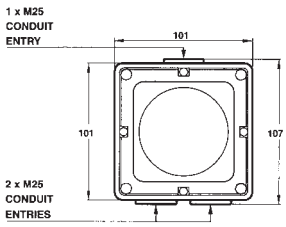
Dimensions



FRONT MOUNTING ENCLOSURE



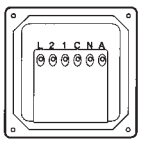
SIDE COMPLETE



FRONT COMPLETE

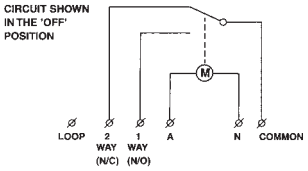
Wiring Diagrams

56TCDB

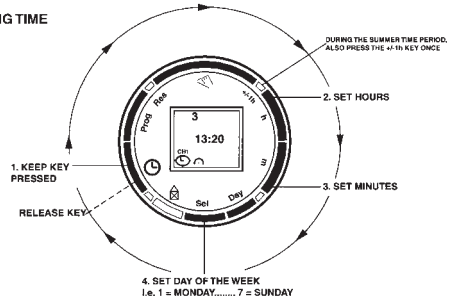


REAR MECHANISMS

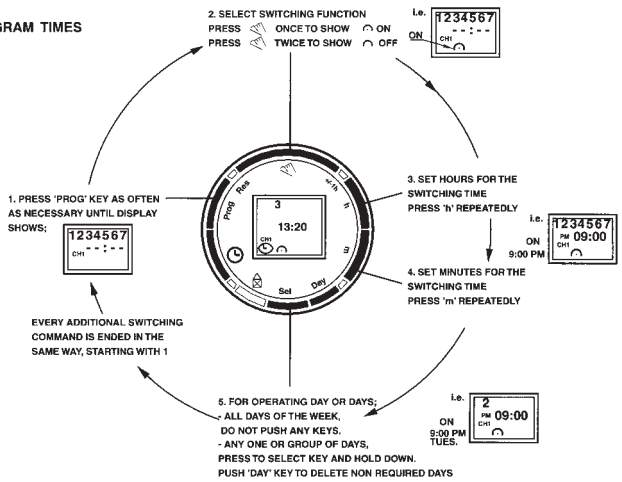
SWITCH IS SIDEWIRED
CONDUCTOR TERMINATION
IS PLAIN SCREW TYPE



SETTING TIME



SETTING PROGRAM TIMES



Remark :

I_{the} - Conventional enclosed thermal current

U_e - Operational voltage

AC21 - Switching of resistive loads, including moderate overloads

AC22 - Switching of mixed resistive and inductive loads, including moderate overloads

AC23 - Switching of motor loads or highly inductive loads

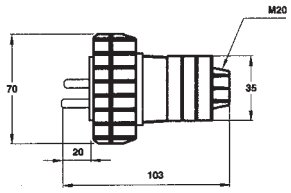
M rating - For switching of locked rotor current

Angle & Straight Plugs

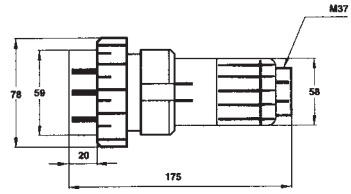
Cat.no (Straight)	Cat.no (Angle)	I_{the} (A)	U_i (V)	No. of Pins	Conductor size (mm^2)		Cable Nominal Diameter		Gland Nut Thread (mm)	
					Min	Max.	Min	Max.	Straight	Angled
56P210	-	10	250	2 Parallel Flat	1	2.5	7	12.5	20	
56P215/32	-	15	32	2 Polarised	1.5	2.5	7	12.5	20	
56P3/110	-	10	110	2 Round & Flat Earth	1	2.5	7	12.5	20	
56P310RP	-	10	250	3 Round	1	4	7	12.5	20	
56P310	-	10	250	3 Flat	1	2.5	7	12.5	20	
56P310L	-	10	250	2 Flat & Round Earth	1	2.5	7	12.5	20	
56P320F	-	20	250	3 Flat	2.5	2.5	7	12.5	20	
56P315	-	15	250	3 Flat	1.5	2.5	7	12.5	20	
56P320	56PA320	20	250	3 Round	2.5	4	6	15.7	25	23
-	56PA332	32	250	3 Round	2.5	16	9.5	28		37
56P410	56PA410	10	500	4 Round	2.5	4	6	15.7	25	23
56P416K	56PA416K	16	500	4 Round (unique key configuration)	2.5	4	6	15.7	23	23
56P420	56PA420	20	500	4 Round	2.5	4	6	15.7	25	23
56P432	56PA432	32	500	4 Round	2.5	16	9	28	37	37
56P440	56PA440	40	500	4 Round	2.5	16	9	28	37	37
56P450	56PA450	50	500	4 Round	2.5	25	9	28	37	37
56P510	56PA510	10	500	5 Round	2.5	4	6	15.7	25	23
56P520	56PA520	20	500	5 Round	2.5	4	6	15.7	25	23
56P532	56PA532	32	500	5 Round	2.5	16	9	28	37	37
56P540	56PA540	40	500	5 Round	2.5	16	9	28	37	37
56P550	56PA550	50	500	5 Round	2.5	25	9	28	37	37
56P610	56PA610	10	500	6 Round	2.5	4/2.5	6	15.7	23	23
56P710	56PA710	10	500	7 Round	2.5	4/2.5	6	15.7	23	23
56P720	56PA720	20	500	7 Round	2.5	4/2.5	6	15.7	23	23

Dimensions

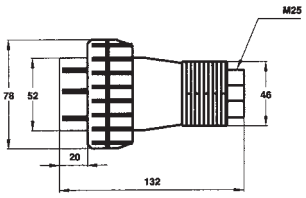
56P210
56P215/32
56P3/110
56P310RP
56P310
56P310L
56P315
56P320F



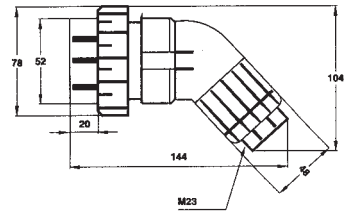
56P332
56P532
56P540
56P550
56P432
56P440
56P450



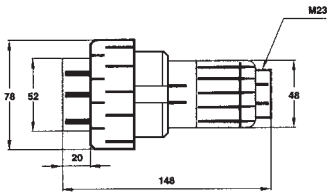
56P320
56P410
56P420
56P510
56P520



56PA320
56PA410
56PA415K
56PA420
56PA510
56PA520
56PA610
56PA710
56PA720



56P415K
56P610
56P710
56P720



56PA332
56PA432
56PA440
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56PA532
56PA540
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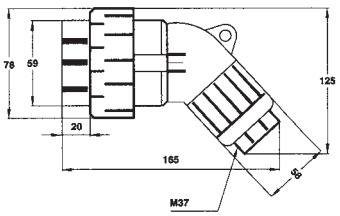


Remark :
I_{the} - Conventional enclosed thermal current
U_i - Insulated voltage

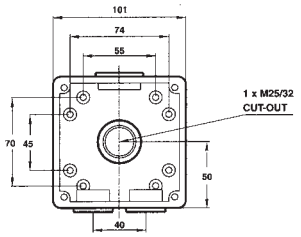
56 & 66 SERIES

Mounting Enclosures (Back Boxes)

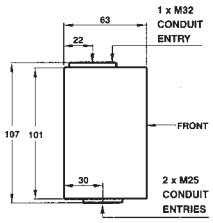
Cat.no	No. of Gangs	Dims. (H)x(W)x(D)	Mounting Point	No. of Condult Entries (mm)	Cut Out Provision (mm)
56E1	1	101x101x63	8	2x25, 1x32	1x25/32
56ES1	1	101x101x38	4	1x25, 1x20	1x20/25
56E2	2	198x101x63	8	2x25, 1x32	1x25, 1x32
56ED2	2	198x101x100	8	2x40	1x25, 1x32

Dimensions

56E1

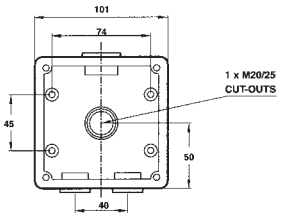


FRONT MOUNTING ENCLOSURE

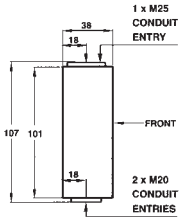


SIDE COMPLETE

56ES1

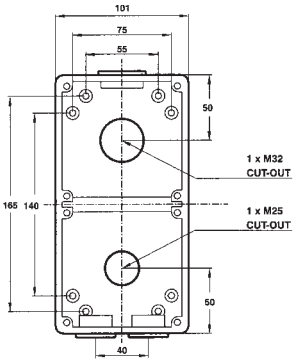


FRONT MOUNTING ENCLOSURE

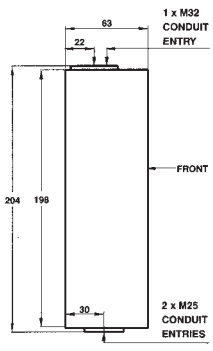


SIDE COMPLETE

56E2



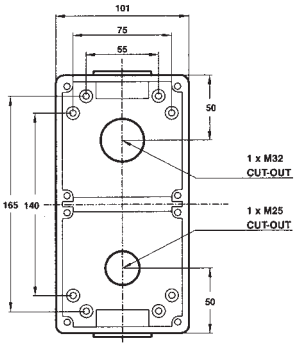
FRONT MOUNTING ENCLOSURE



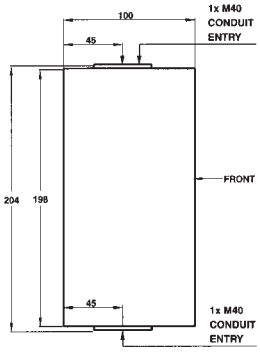
SIDE COMPLETE

ONE 56B BRIDGE PROVIDED

56ED2



FRONT MOUNTING ENCLOSURE



SIDE COMPLETE

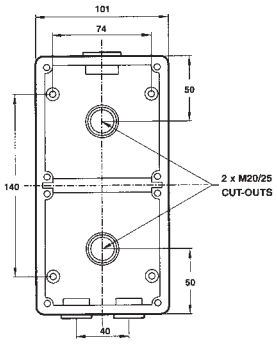
ONE 56B BRIDGE PROVIDED

Mounting Enclosures (Back Boxes)

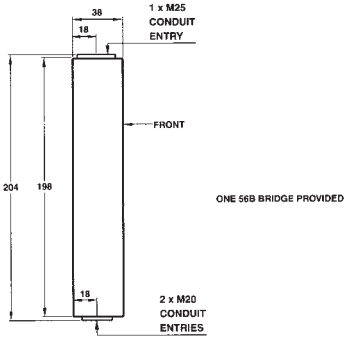
Cat.no	No. of Gangs	Dims. (H)x(W)x(D)	Mounting Point	No. of Condult Entries (mm)	Cut Out Provision (mm)
56ES2	2	198x101x38	4	1x25, 2x20	2x20/25
56E2/4EL	2	198x101x105	8	2x25, 1x32	1x25, 1x32
56E3	3	294x101x63	16	2x25, 1x32	2x25, 1x32

Dimensions

56ES2

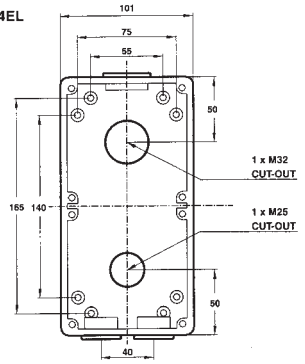


FRONT MOUNTING ENCLOSURE



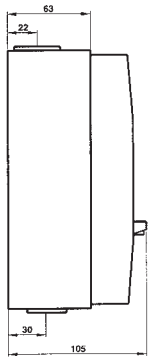
SIDE COMPLETE

56E2/4EL

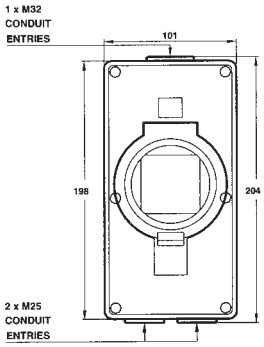


COMPLETE WITH DIN RAIL
TO SUIT 4EL RCD'S

FRONT MOUNTING ENCLOSURE

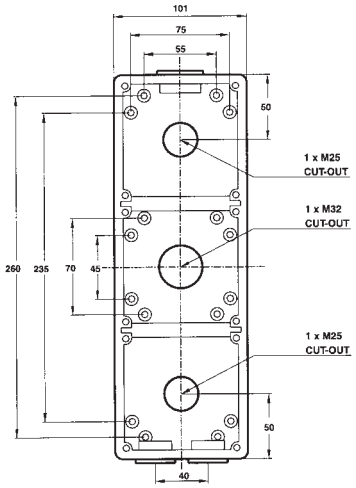


SIDE COMPLETE

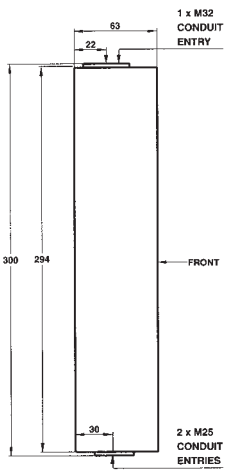


FRONT COMPLETE

56E3



FRONT MOUNTING ENCLOSURE



SIDE COMPLETE

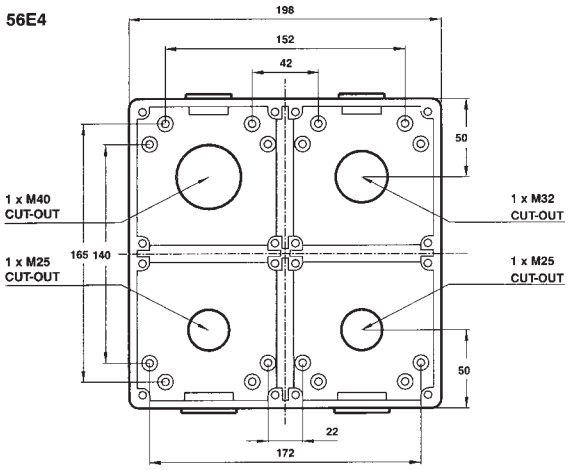
56 & 66 SERIES

Mounting Enclosures (Back Boxes)

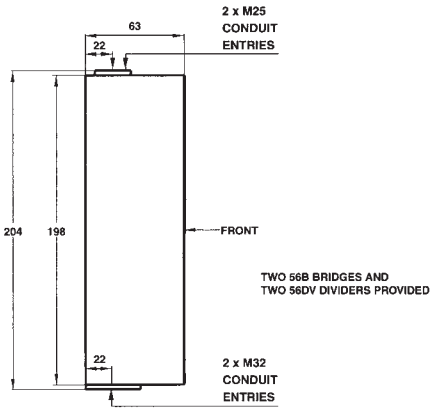
Cat.no	No. of Gangs	Dims. (H)x(W)x(D)	Mounting Point	No. of Condult Entries (mm)	Cut Out Provision (mm)
56E4	4	198x198x63	16	2x25, 2x32	2x25, 1x32, 1x40
56E4VH	4	391x101x63	16	2x25, 1x32	2x25, 1x32, 1x40

Dimensions

56E4

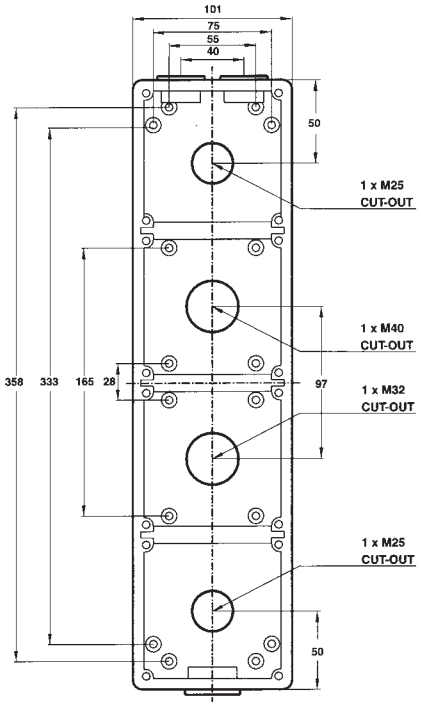


FRONT MOUNTING ENCLOSURE

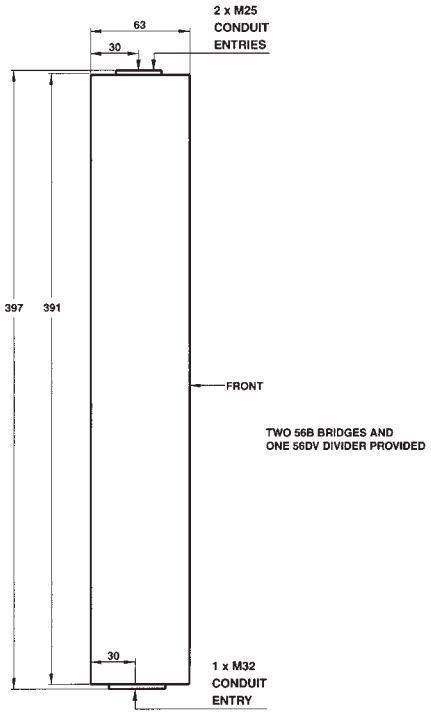


SIDE COMPLETE

56E4VH



FRONT MOUNTING ENCLOSURE

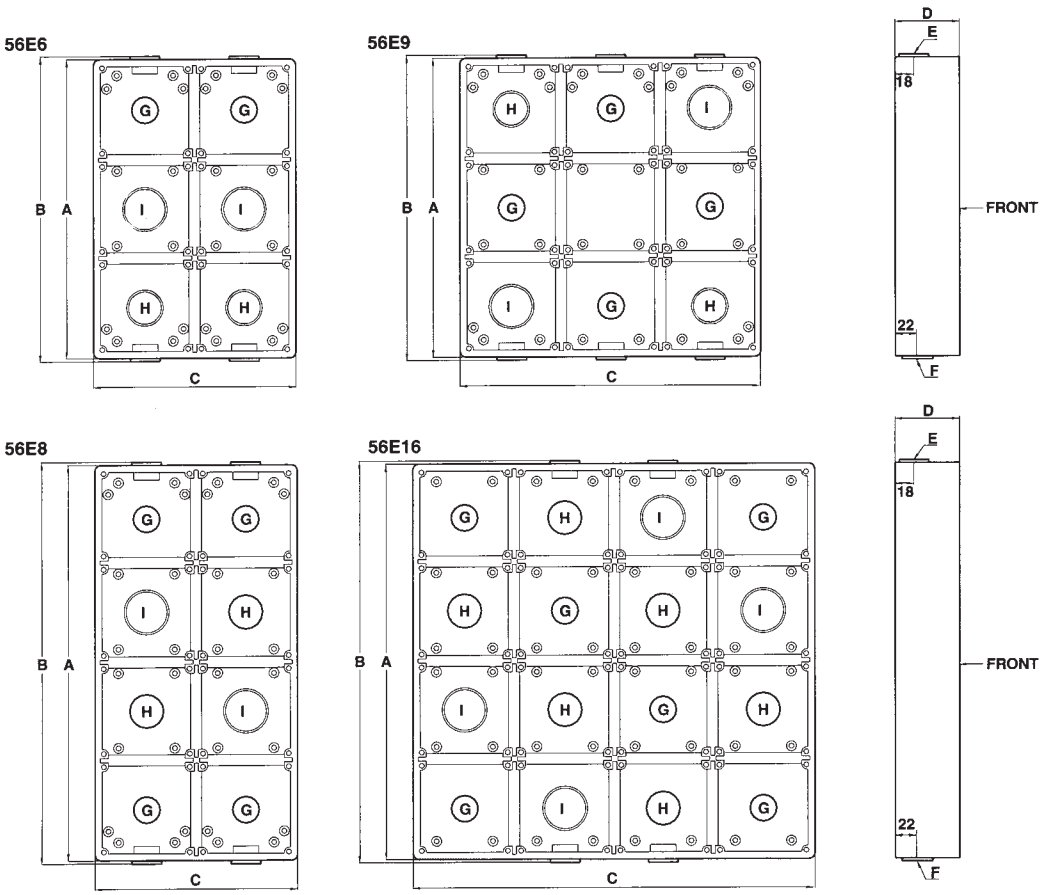


SIDE COMPLETE

Mounting Enclosures (Back Boxes)

Cat.no	No. of Gangs	Dims. (H)x(W)x(D)	Mounting Point	No. of Conduit Entries (mm)	Cut Out Provision (mm)
56E6	6	294x198x63	24	2x25, 2x32	2x25, 2x32, 2x40
56E8	8	391x198x63	28	2x25, 2x32	4x25, 2x32, 2x40
56E9	9	294x294x63	28	3x25, 3x32	4x25, 2x32, 2x40
56E16	16	391x391x63	48	2x25, 2x32	6x25, 6x32, 4x40

Dimensions



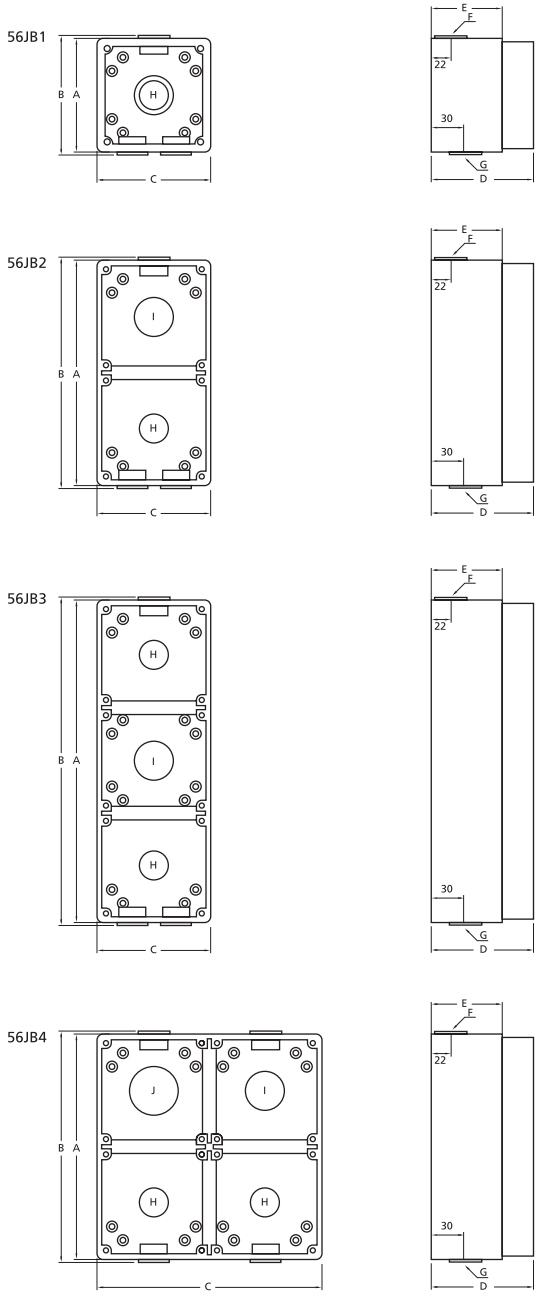
Catalogue Number	No. Gangs	Dimensions(mm) A	B	C	D	Conduit Entries E	F	Cut Out Provisions G	H	I	56 DV Dividers	56B Bridges	Mounting Points
56E6	6	294	300	198	63	2 x M25	2 x M32	25	32	40	4	3	24
56E8	8	392	398	198	63	2 x M25	2 x M32	25	32	40	6	4	28
56E9	9	294	300	294	63	3 x M25	3 x M32	25	32	40	6	6	28
56E16	16	392	398	392	63	2 x M25	2 x M32	25	32	40	12	8	48

56 & 66 SERIES

56 JB Series Junction Box

Cat. no.	No. of gangs	Dimensions (mm)					Conduit entties		Cut out provisions			Mounting points
		A	B	C	D	E	F	G	H	I	J	
56JB1	1	101	107	101	63	90	1xM32	2xM25	25			8
56JB2	2	198	204	101	63	90	1xM32	2xM25	25	32		8
56JB3	3	294	300	101	63	90	1xM32	2xM25	25	32		16
56JB4	4	198	204	198	63	90	2xM32	2xM25	25	32	40	16

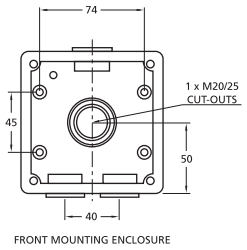
Dimensions



56 SO Series Socket Outlet

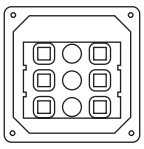
Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Conductor size(mm^2)		Dimensions (mm) H x W x D
				Min.	Max.	
56SO313	3 Flat	13	250	1.5	6	107 x 101 x 80
56SO315	3 Flat	15	250	1.5	6	107 x 101 x 80
56SO315RP	3 Round	15	250	1.5	6	107 x 101 x 80

Dimensions

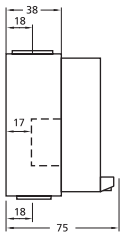


FRONT MOUNTING ENCLOSURE

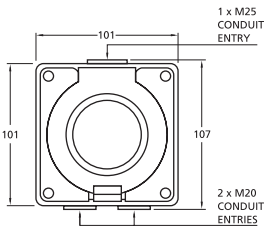
56SO313
56SO315
56SO315RP



REAR MECHANISMS



SIDE COMPLETE



FRONT COMPLETE

Remark :

I_{the} - Conventional enclosed thermal current

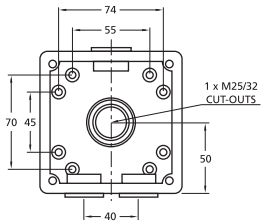
U_e - Operational voltage

56 SO Series Socket Outlet

Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Conductor size(mm^2)		Dimensions (mm) H x W x D
				Min.	Max.	
56SO320	3 Round	20	250	2.5	6	107 x 101 x 104
56SO410	4 Round	10	500	1.5	6	107 x 101 x 104
56SO420	4 Round	20	500	2.5	6	107 x 101 x 104
56SO510	5 Round	10	500	1.5	6	107 x 101 x 104
56SO520	5 Round	20	500	2.5	6	107 x 101 x 104

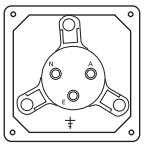
Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Conductor size(mm^2)		Dimensions (mm) H x W x D
				Min.	Max.	
56SO332	3 Round	32	250	6	16	107 x 101 x 104
56SO432	4 Round	32	500	4	16	107 x 101 x 104
56SO440	4 Round	40	500	6	16	107 x 101 x 104
56SO450	4 Round	50	500	10	16	107 x 101 x 104
56SO532	5 Round	32	500	4	16	107 x 101 x 104
56SO540	5 Round	40	500	6	16	107 x 101 x 104
56SO550	5 Round	50	500	10	16	107 x 101 x 104

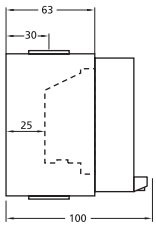
Dimensions



FRONT MOUNTING ENCLOSURE

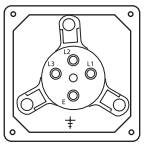
56SO320

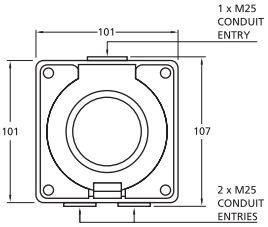

REAR MECHANISMS



SIDE COMPLETE

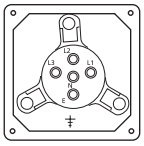
56SO410
56SO420


REAR MECHANISMS

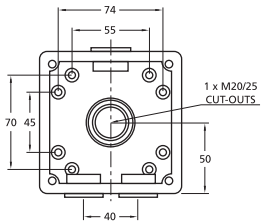


FRONT COMPLETE

56SO510
56SO520

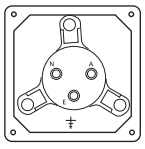

REAR MECHANISMS

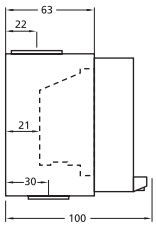
Dimensions



FRONT MOUNTING ENCLOSURE

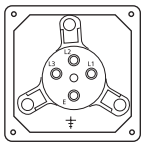
56SO332

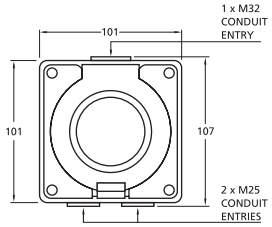

REAR MECHANISMS



SIDE COMPLETE

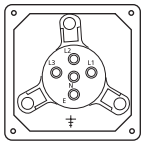
56SO432
56SO440
56SO450


REAR MECHANISMS



FRONT COMPLETE

56SO532
56SO540
56SO550


REAR MECHANISMS

Remark :

I_{the} - Conventional enclosed thermal current

U_e - Operational voltage

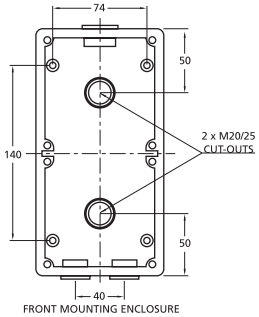
56 & 66 SERIES

56 Series Combination Switched Socket Outlet

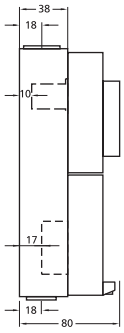
Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Utilization category (A)			M rating	Conductor size (mm^2)		Dimensions (mm) H x W x D
				AC21	AC22	AC23		Min.	Max.	
56C313	3 Flat	13	250	13	8	8	M80	1.5	6	204 x 101 x 80
56C315	3 Flat	15	250	15	10	8	M80	1.5	6	204 x 101 x 80
56C315RP	3 Round	15	250	15	8	5	M80	1.5	6	204 x 101 x 80

Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Utilization category (A)			M rating	Conductor size (mm^2)		Dimensions (mm) H x W x D
				AC21	AC22	AC23		Min.	Max.	
56C332	3 Round	32	250	32	32	20	M260	6	16	204 x 101 x 104
56C432	4 Round	32	500	32	32	20	M100	4	16	204 x 101 x 104
56C440	4 Round	40	500	40	32	20	M100	10	16	204 x 101 x 104
56C532	5 Round	32	500	32	32	20	M100	4	16	204 x 101 x 104
56C540	5 Round	40	500	40	32	20	M100	10	16	204 x 101 x 104

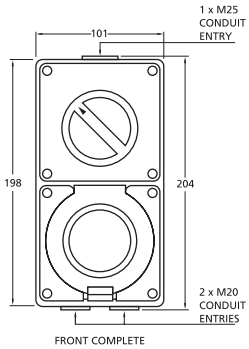
Dimensions



FRONT MOUNTING ENCLOSURE

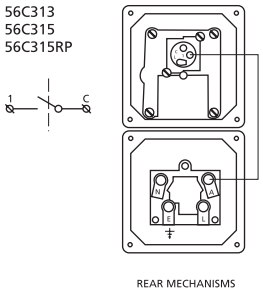


SIDE COMPLETE

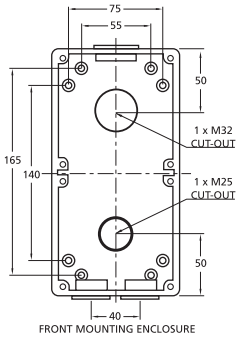


FRONT COMPLETE

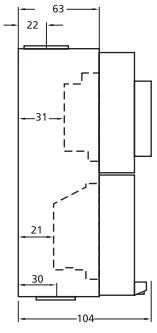
Wiring Diagram



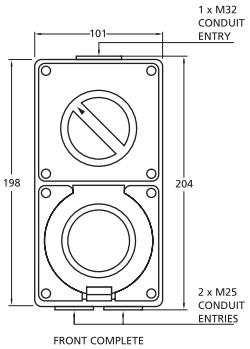
Dimensions



FRONT MOUNTING ENCLOSURE



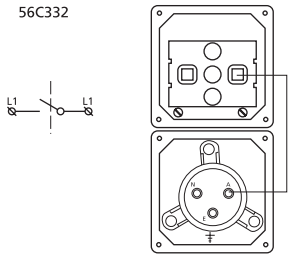
SIDE COMPLETE



FRONT COMPLETE

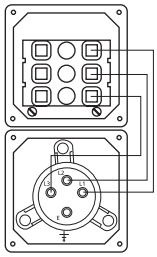
Wiring Diagrams

56C332



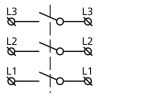
REAR MECHANISMS

56C432
56C440



REAR MECHANISMS

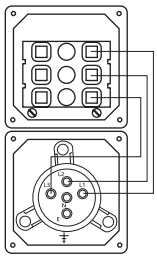
56C532
56C540



SWITCH TERMINALS
ARE NOT IDENTIFIED

SWITCHIS
BACKWIRED

CONDUCTOR TERMINATION
IS PRESSURE PLATE TYPE



REAR MECHANISMS

Remark :

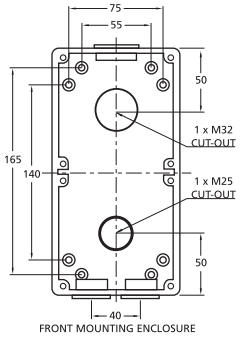
I_{the} - Conventional enclosed thermal current
U_e - Operational voltage
AC21 - Switching of resistive loads, including moderate overloads
AC22 - Switching of mixed resistive and inductive loads, including moderate overloads
AC23 - switching of motor loads or highly inductive loads
M rating - For switching locked rotor current

56 Series Combination Switched Socket Outlet

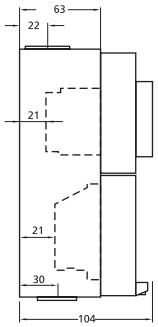
Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Utilization category (A)			M rating	Conductor size (mm^2)		Dimensions (mm) H x W x D
				AC21	AC22	AC23		Min.	Max.	
56C450	4 Round	50	500	50	50	25	M200	10	16	204 x 101 x 104
56C550	5 Round	50	500	50	50	25	M200	10	16	204 x 101 x 104

Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Utilization category (A)			M rating	Conductor size (mm^2)		Dimensions (mm) H x W x D
				AC21	AC22	AC23		Min.	Max.	
56C320	3 Round	20	500	20	20	20	M260	2.5	6	204 x 101 x 104
56C410	4 Round	10	500	10	10	10	M100	1.5	6	204 x 101 x 104
56C420	4 Round	20	500	20	20	20	M100	2.5	6	204 x 101 x 104
56C510	5 Round	10	500	10	10	10	M100	1.5	6	204 x 101 x 104
56C520	5 Round	20	500	20	20	20	M100	2.5	6	204 x 101 x 104

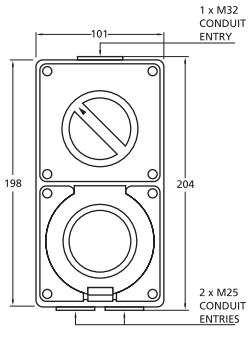
Dimensions



FRONT MOUNTING ENCLOSURE



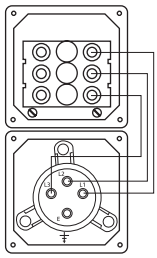
SIDE COMPLETE



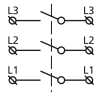
FRONT COMPLETE

Wiring Diagrams

56C450


REAR MECHANISMS

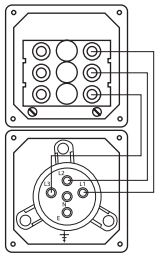
56C550



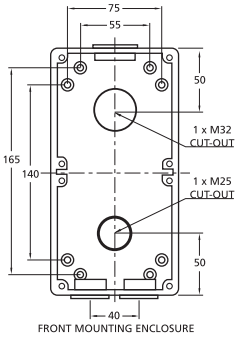
SWITCH TERMINALS
ARE NOT IDENTIFIED

SWITCHIS
BACKWIRED

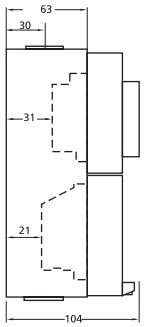
CONDUCTOR TERMINATION
IS PLAIN SCREW TYPE


REAR MECHANISMS

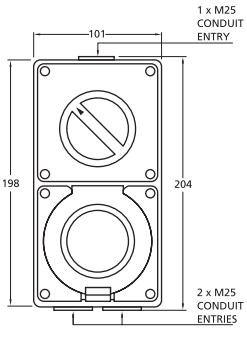
Dimensions



FRONT MOUNTING ENCLOSURE



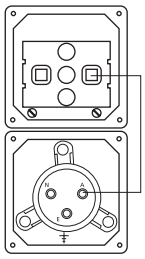
SIDE COMPLETE



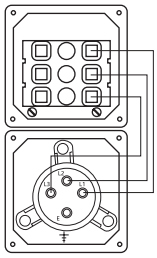
FRONT COMPLETE

Wiring Diagrams

56C320


REAR MECHANISMS

56C410
56C420

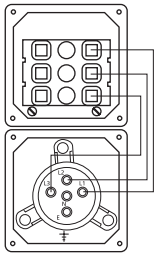

REAR MECHANISMS

56C510
56C520

SWITCH TERMINALS
ARE NOT IDENTIFIED

SWITCHIS
BACKWIRED

CONDUCTOR TERMINATION
IS PRESSURE PLATE TYPE


REAR MECHANISMS

Remark :

I_{the} - Conventional enclosed thermal current
U_e - Operational voltage
AC21 - Switching of resistive loads, including moderate overloads
AC22 - Switching of mixed resistive and inductive loads, including moderate overloads
AC23 - switching of motor loads or highly inductive loads
M rating - For switching locked rotor current

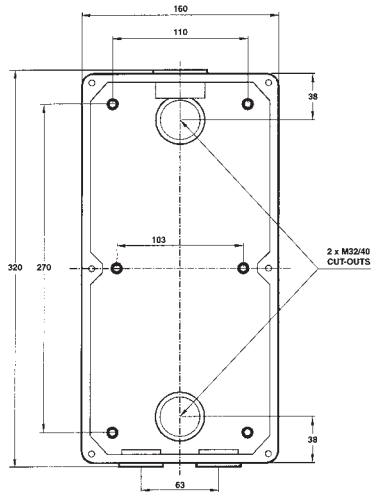
56 & 66 SERIES

66CV Switched Socket Outlets

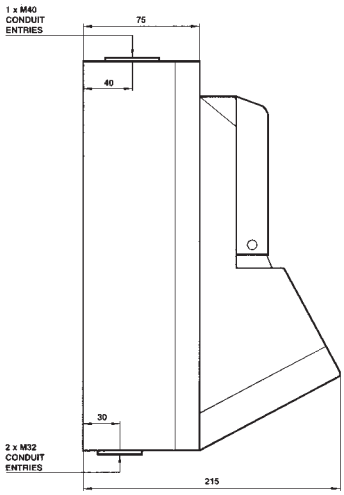
Cat.no	No.of Switched Poles	I_{the} (A)	U_i (V)	Utilidation Category (A)			No. of Sockets	Conductor size (mm^2)	
				AC21	AC22	AC23		Min	Max.
66CV450	3	50	500	50	50	40	4	10	25
66CV550	4	50	500	50	50	40	5	10	25
66CV750	4	50	500	50	50	40	7	10	25/2.5
66CV463	3	63	500	63	63	50	4	16	35
66CV563	4	63	500	63	63	50	5	16	35
66CV763	4	63	500	63	63	50	7	16	25/2.5

Dimensions

66CV450
66CV463
66CV550
66CV563
66CV750
66CV763

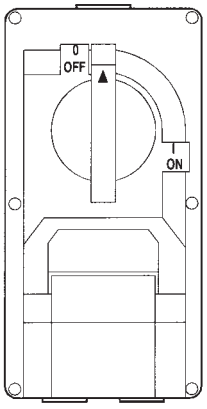


FRONT MOUNTING ENCLOSURE

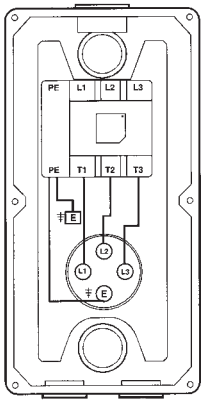


SIDE COMPLETE

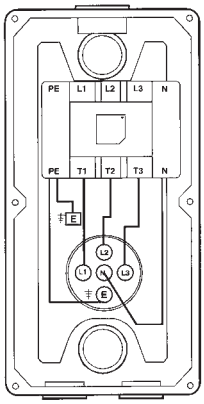
Wiring Diagrams



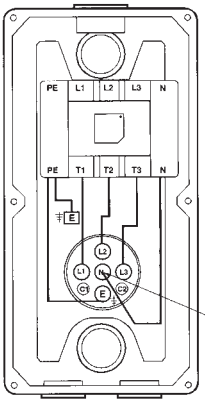
FRONT COMPLETE



MECHANISM



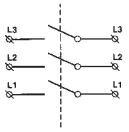
MECHANISM



TERMINALS ARE ACTUALLY ANGLED, SHOWN HERE FLAT FOR PICTORIAL REPRESENTATION

MECHANISM

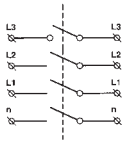
66CV450
66CV463



SWITCH IS MOUNTED ON BACK PLATE

SWITCH IS SIDE WIRED CONDUCTOR TERMINATION IS PRESSURE PLATE TYPE

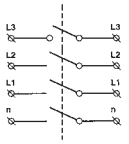
66CV550
66CV563



SWITCH IS MOUNTED ON BACK PLATE

SWITCH IS SIDE WIRED CONDUCTOR TERMINATION IS PRESSURE PLATE TYPE

66CV750
66CV763



SWITCH IS MOUNTED ON BACK PLATE

SWITCH IS SIDE WIRED CONDUCTOR TERMINATION IS PRESSURE PLATE TYPE

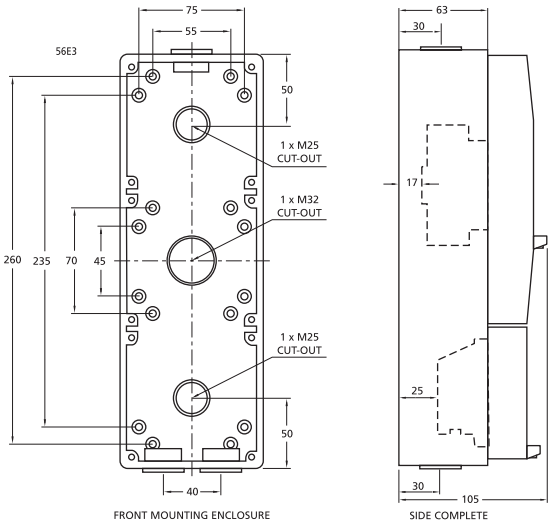
Remark :
I_{the} - Conventional enclosed thermal current
U_i - Insulated voltage

RCD Protected Socket Outlet

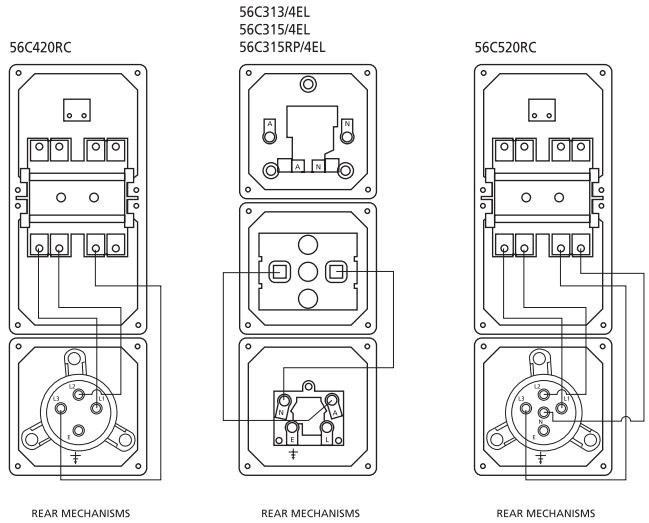
Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Conductor size (mm^2)		Dimensions (mm) H x W x D
				Min.	Max.	
56C313/4EL	3 Flat	13	250	2.5	6	300 x 101 x 100
56C315/4EL	3 Flat	15	250	2.5	6	300 x 101 x 100
56C315RP/4EL	3 Round	15	250	2.5	6	300 x 101 x 100

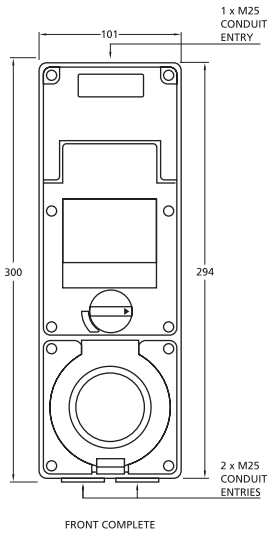
Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Conductor size (mm^2)		Dimensions (mm) H x W x D
				Min.	Max.	
56C420RC	4 Round	20	500	1.5	16	300 x 101 x 105
56C520RC	5 Round	20	500	1.5	16	300 x 101 x 105

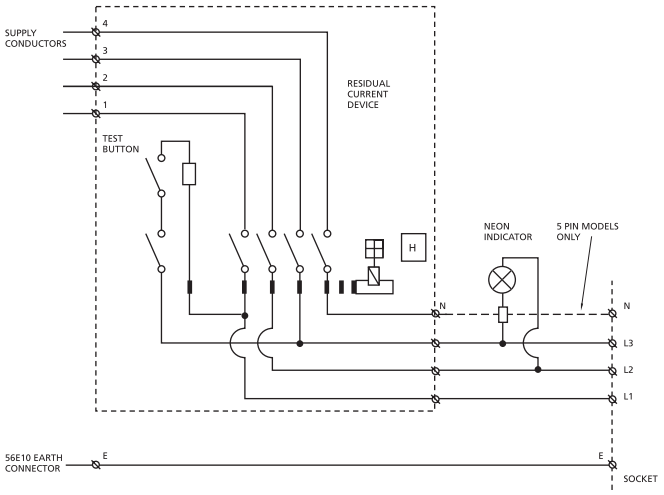
Dimensions



Wiring Diagrams







Remark :

I_{the} - Conventional enclosed thermal current

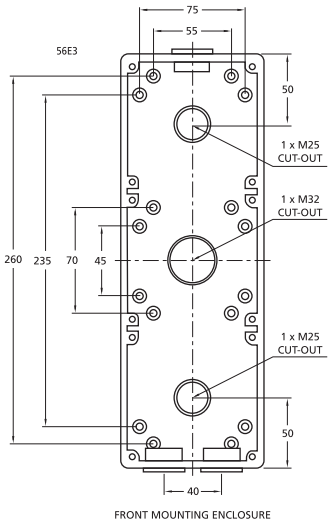
U_e - Operational voltage

56 & 66 SERIES

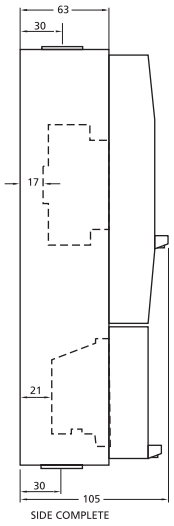
RCD Protected Socket Outlet

Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Conductor size (mm^2)		Dimensions (mm) H x W x D
				Min.	Max.	
56C432RC	4 Round	20	500	4	16	300 x 101 x 105
56C532RC	5 Round	20	500	4	16	300 x 101 x 105

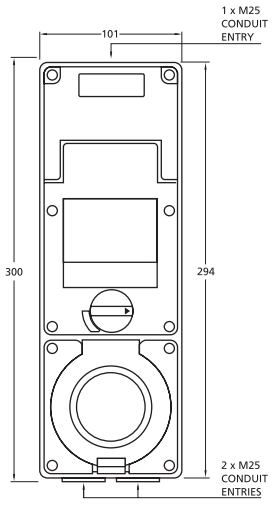
Dimensions



FRONT MOUNTING ENCLOSURE



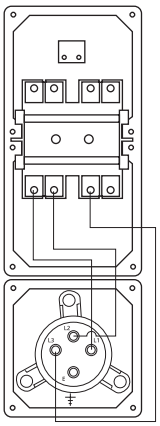
SIDE COMPLETE



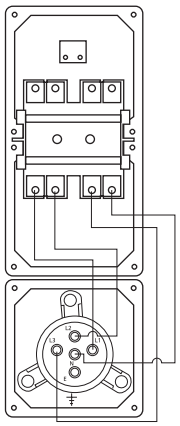
FRONT COMPLETE

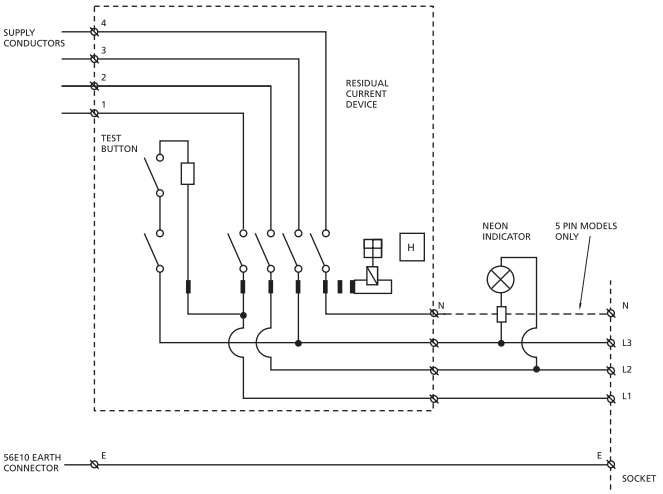
Wiring Diagrams

56C432RC


REAR MECHANISMS

56C532RC


REAR MECHANISMS



Remark :

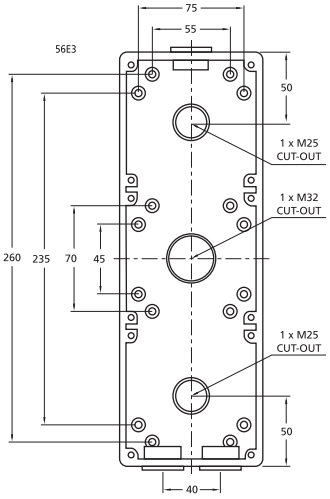
I_{the} - Conventional enclosed thermal current

U_e - Operational voltage

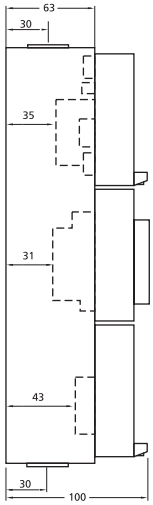
RCD Protected Socket Outlet

Cat. no.	No. of socket	I_{the} (A)	U_e (V)	Conductor size (mm^2)		Dimensions (mm) H x W x D
				Min.	Max.	
56C313RC	3 Flat	13	250	2.5	6	300 x 101 x 100

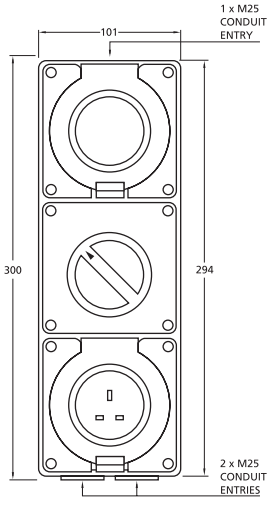
Dimensions



FRONT MOUNTING ENCLOSURE



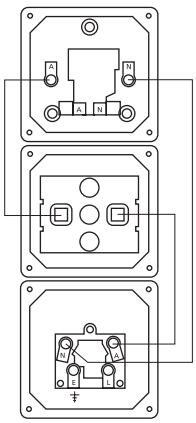
SIDE COMPLETE



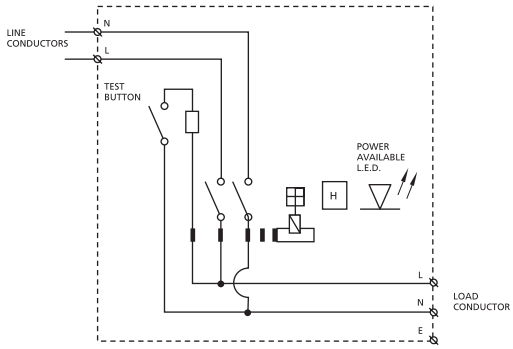
FRONT COMPLETE

Wiring Diagram

56C313/4EL
56C315/4EL
56C315RP/4EL



REAR MECHANISMS



Remark :
I_{the} - Conventional enclosed thermal current
U_e - Operational voltage

56 & 66 SERIES

56 IEC 60309 Series

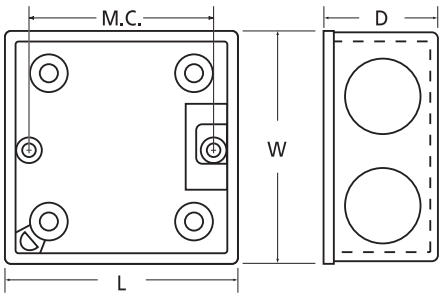
110V 50/60Hz Yellow
110 to 130V~

250V 50/60Hz Blue
220 to 250V~

415V 50/60Hz Red
380 to 418V~

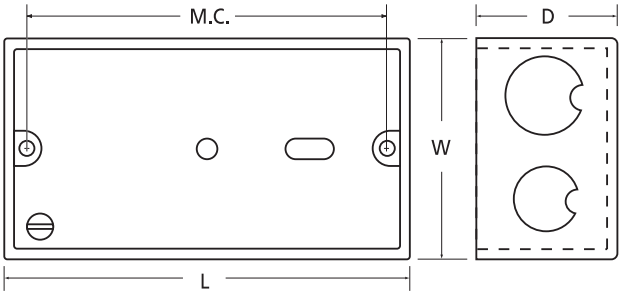
PVC CONDUIT & FITTING

Metal Wall Boxes



Dimensions (mm)				
Cat. no.	Length(L)	Width (W)	Depth (D)	Mounting Centre (M.C.)
157/1	94	54	43	84
158	67	28	32	55
E157	75	75	36	60.3
E157E	75	75	36	60.3
ET157DE	132	75	48	120.6

Surface Mounted Boxes



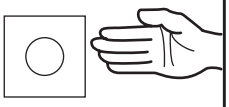
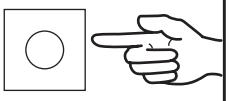
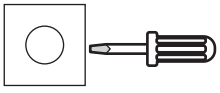
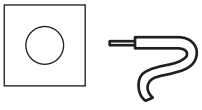
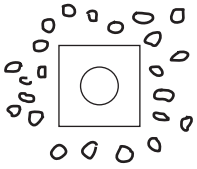
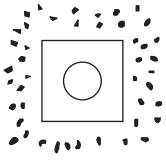
Dimensions (mm)				
Cat. no.	Length(L)	Width (W)	Depth (D)	Mounting Centre (M.C.)
238	115	74	38	84
70/1	80	37	25	55
70/2	90	37	25	70
70/3	116	36	25	97
E238E	89	89	35	60.3
E238/20	89	89	35	60.3
E238/20H	89	89	35	60.3
ET238E	149	89	35	120.6
ET238D	149	89	52	120.6
E70/2	88	40	19	60
E70/4	149	46	19	120

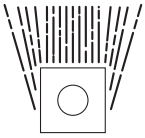
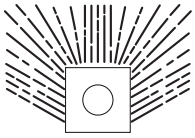
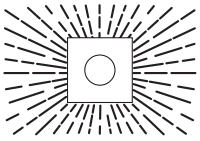
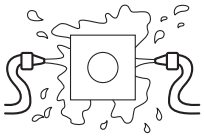
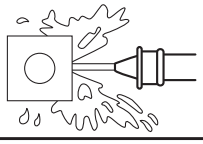
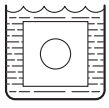
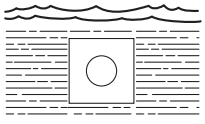
APPENDIX 1

International Protection Ratings

IP Ratings or International Protection Code is a standard rating system that indicates the type of environments in which a particular instrument is capable of operating.

The IP Rating takes the form of IPXX where XX are numbers corresponding to a particular rating. The first digit is for solid particle ingress, and the second is for liquids ingress,

FIRST DIGIT		
	TEST	PROTECTION
0	No Test applied	Inherent degree of protection
1		Protected against solid objects larger than 50 mm (e.g. accidental contact with hand)
2		Protected against solid objects larger than 12 mm (e.g. finger of the hand)
3		Protected against solid objects larger than 2.5 mm (e.g. tools, wires)
4		Protected against solid objects larger than 1 mm (e.g. fine tools and wires)
5		Protected against dust. Prevent entry in sufficient quantity to interfere with satisfactory operation
6		Completely protected against dust

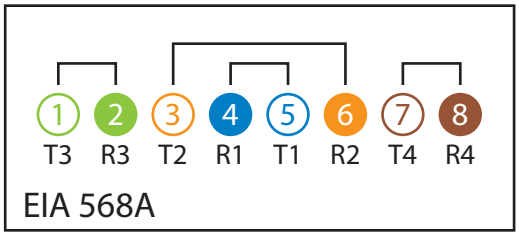
SECOND DIGIT		
	TEST	PROTECTION
0	No Test applied	Inherent degree of protection
1		Protected against drops of water falling vertically
2		Protected against drops of water falling at up to 15 from the vertical
3		Protected against spraying water at up to 60 from the vertical
4		Protected against splashing water from all directions
5		Protected against jets of water from all directions
6		Protected against jets of water of similar force to heavy seas
7		Protected against the effects of immersion
8		Protected against the effects of submersion

CLIPSAL

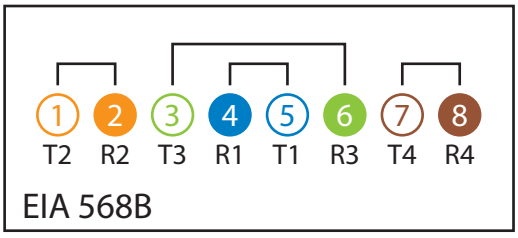
APPENDIX 2

Sequence Options

Sequence is defined as the order in which the incoming pairs are terminated into the modular interface pins. Each pair is designated as a 'Tip' conductor and a 'Ring' conductor.



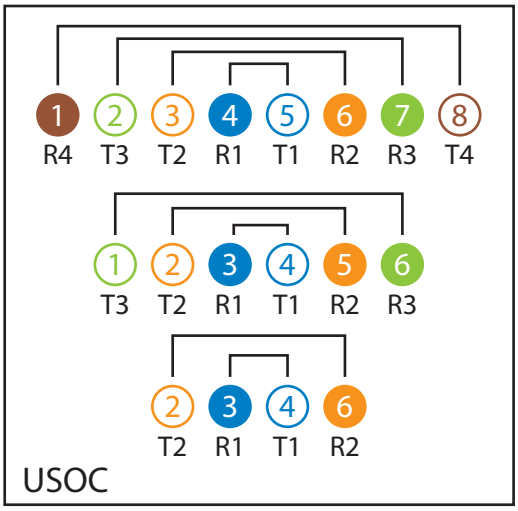
EIA 568A This is the newest of the sequence options as published in the EIA Commercial Building Cabling Specification Draft 9.0 as the preferred sequence for termination of UTP data cabling (this is the international ISDN standard). This is also the preferred option for AS/NZS 3080-1995. This is similar to the 568B sequence except that pairs #2 and #3 are transposed. This provides backward compatibility to the USOC sequence for two pairs instead of the single pair of 568B



EIA 568B has been the most widely specified sequence worldwide for data installations in recent years. It is also a sub-set specified by the IEEE 802.3 10 BASE-T Ethernet over twisted pair standard. This sequence is only applicable to eight wire polarisation (WE8W).

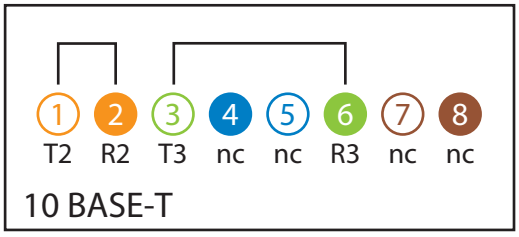
In the 568B sequence, pair #1 and pair #3 correspond to pair #1 and pair #2 of the USOC sequence, providing backward compatibility with 2 pair systems (such as analogue voice).

Pair #1 is therefore designated as 'T1 and R1'. The sequence defines which pins of the modular interface are defined as T1, R1, T, Rs etc. Some sequences are only applicable to certain polarisation.



USOC historically was the most common sequence and is used by the US telephone system. Pairs are 'nested', ie. pair #1 is centred, pair #2 is the next two contacts out, etc. This maintains pair-to-pair continuity when, for instance, a single pair equipment is connected through a 4 pair circuit. Nesting of the pairs also enables a reversal to be made within each pair through the use of a simple 'reversing' line cord (1 to 8, 2 to 7).

USOC is applicable to WE2W, WE4W, WE6W and WE8W polarisations. An advantage of the pair nesting of the USOC sequence is that a WE4W/6W plug inserted into a WE8W jack works fine as long as quality (correctly toleranced) components are used.



10 BASE-T Used with the WE8W polarisation, this is a modification of the EIA 568B sequence, leaving pair #1 open and starting with pair #2. This provides an additional level of protection from interconnection of voice and data equipment. If voice equipment is always wired on pins 4 and 5 (pair #1), and data equipment never has pins 4 and 5 active, no interconnection is possible.